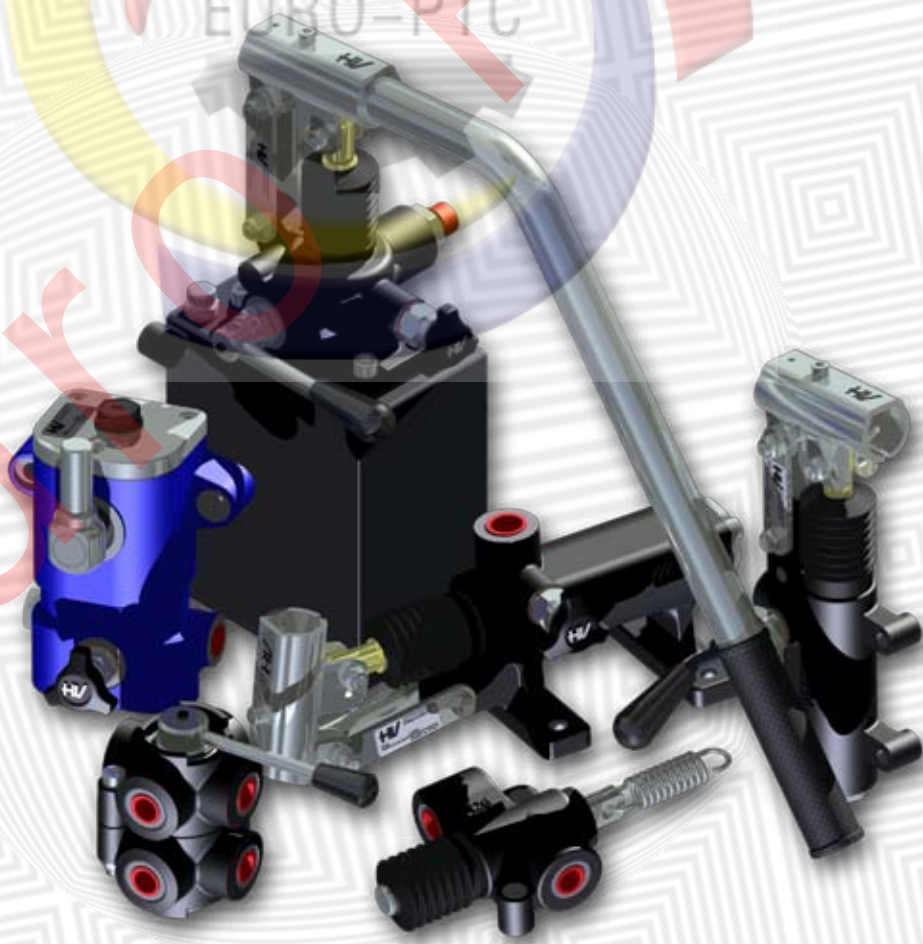


TECHNICAL CATALOGUE



EURO-PTC





Catalogue printed in Italy
001-2009

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The specification of all products are indicative only

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► MULTIMEDIA INTERACTIVE CATALOGUE

The links on the catalogue's pages allow to get quickly the information about the products as well as to send request by e mail.

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Click the link on the column **L** to get the **PRICE LIST**

Click the link on the column **P** to get the **CATALOGUE**



Link to the **COMPANY WEBSITE**



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► HV HYDRAULIC

HV Hydraulic is focused on developing and manufacturing of hand pumps, flow dividers, flow inverters, tanks, levers and hydraulic components.

HV Hydraulic is closely co-operating with another plant of the group who's providing it's know-how about metal turning with CNC machines.

All the components, like pistons, valves or cylinders, are internally produced assuring the highest level of manufacturing quality and flexibility related to eventual drawing modifications.

For this reason we can say that our production is based in Italy excepted for few "low impact" components imported from emerging countries.

Our co-operators are professionals with an experience of decades in hydraulics, this allows us to use the most advanced methods in project development supplying high quality products at an extremely reasonable price.

► RESEARCH AND DEVELOPMENT

HV Hydraulic is constantly improving the existing range of products and developing brand new solutions to a wide range of applications.

With a team made of engineers, project developers and CAD drawers, R&D is also supported by the latest software. A particular care is taken in 3D modelling of each component and product.

► TESTING LABORATORY

Our products are subject to a wide range of functional tests, made with the highest level of attention and rigorousness inside our laboratory, using testing benches built on purpose to obtain the most reliable results.

► WARRANTY & AFTER-SALES

Tutti i All our products are covered by the warranty and also by an competent after-sales service.





► WARRANTY

HV HYDRAULIC guarantees one's products for material's or working's defects, happened in conditions of:

- right use
- standard conditions of utilisation
- corrects installations

for 12 (twelve) months since the date of product's consignment from one's factory.

In HV HYDRAULIC's opinion, warranty includes repairing or replacement of any products. This replacement will take place in carriage forward.

HV HYDRAULIC reserves the right to inspect the product at his own factory, requiring the consignment of the same in carriage free.

After the consignment from the factory, damaged or manipulated products are not covered with warranty, neither modified or repaired ones by anyone not expressly authorized by HV HYDRAULIC.

THERE ARE NO OTHER FORMS OF WARRANTY BUT THE ONE DESCRIBED ABOVE.

Any description of one's products, like those appearing on catalogues and other material edited by HV HYDRAULIC just in order to identify the product, does not create an explicit warranty of product's correspondence to the same description.

The conformity of purchased products, to the use the buyer wants to do with, is in his own and exclusive pertinence.

For this reason HV HYDRAULIC is not responsible for damages linked to the use of sold products for what concern the correspondence to the utilisation, installation or working by the purchaser.

Besides, HV HYDRAULIC is not responsible for accidental damages.

HV HYDRAULIC reserves the right to cease, modify or revise the products described and their features.

► DISPUTES

For any dispute the Court of competent jurisdiction is HV HYDRAULIC.

► COMPETENT JURISDICTION

In case of disputes between the parts caused by the execution and interpretation of this contract, the competent Court will be the one of Bologna.

► OFFER / ORDER

Ours offers are not committing. Each verbal or telephone negotiation will be committing causing the conclusion of the contract only after our order's confirmation and your acceptance of general terms of sales. All the orders must be in written form and have to indicate the following information:

- date and order's place
- name and complete purchaser factory's address
- reference to an offer (if possible)
- complete code and description of the product
- number of pieces
- asking date of delivery
- courier (possible)

The order will be considered valid with the HV HYDRAULIC's terms of delivery.

Asked or indicated, and eventually notified in writing, terms of delivery have to be considered essentials only in case of specific agreement co-undersigned by the parts).

► PRICES AND PAYMENTS

Quotations are intended carriage forward. Payments must accord to particulars terms.

Each extension of the established terms have to be expressly accepted by HV HYDRAULIC. In this case we will apply a 3 points more bank rate on the interests.

► TERMS OF DELIVERY

According to art. 1475 c.c., terms of delivery are not considered essentials. HV HYDRAULIC will have to inform you about delivery's delay 10 days before without penal. In contrary case HV HYDRAULIC will not be considered responsible for damages caused by the non-respecting terms of delivery.

► RESERVATION OF THE RIGHT

If cash on delivery does not occur, the purchase must consider itself concluded with reservation of the right on the sold material in favour of HV HYDRAULIC. In any case you will acquire the property only when the price will be completely paid and you will share all the risks as in delivering, respecting all the terms of delivery.

► RESPONSIBILITY FOR TRANSPORT

All the risks in goods transporting are exclusively at Your expense.



1° 2° 3° 4°
 [0000] . [0000] . [00] . [00]

Personalisation of standard product as per customer's request.

Product's version (it considers eventual alterations interchangeable or not interchangeable, of the components inside the product).
 (Field reserved to HV HYDRAULIC).

Type of product belonging to the same group or family.

Product's group or family.

► USE OF THE CODE DURING THE PURCHASE ORDER

Clients who want to make an order of any product described in the catalogue, have to indicate on the order the code composed by the fields 1° and 2° (in product's pages are the only fields indicated), fields 3° and 4° have not to be indicated.

Field 3° is at discretion of HV HYDRAULIC for a better management of replacement's components of the products and a better traceability of the same.

Field 4° representing a personalisation asked by the client, will be communicated to the same. (00 = standard).

HV HYDRAULIC will confirm the order, using the complete code with both fields 3° and 4°.

In this way the client has a complete knowledge of the product's version that has received and in case the client needs a replacement, in base of product's version (field 3°) the right replacement will be send to the purchaser.

For this reason will carry weight the version reported on the order's confirm of HV HYDRAULIC.



► NOTES OF MANUFACTURE

HV HYDRAULIC's hand pumps have specially been studied expressly for high performance and high reliability. They are used in different sectors: transport, industry and agriculture. Can be installed both in horizontal and vertical position.

► DIRECTION FOR USE

Use only ISO 6743/4 (DIN 51524) hydraulic mineral oil.

The viscosity must be according to ISO 3448 (DIN 51519) standards. The viscosity degree is stated by ISO VG letters followed by a number showing the average kinematic viscosity at 40°C in mm²/s or centistokes (cSt).

minimum viscosity 15 mm ² /s	maximum viscosity 100 mm ² /s	advised viscosity 46 mm ² /s
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ISO viscosity degrees	average kinematic viscosity mm ² /s at 40°C	kinematic viscosity limits mm ² /s at 40°C	
		min.	max.
ISO VG 15	15	13,5	16,5
ISO VG 22	22	19,8	24,2
ISO VG 32	32	28,8	35,2
ISO VG 46	46	41,4	50,6
ISO VG 68	68	61,2	74,8
ISO VG 100	100	90,0	100,0

All manufacturers of hydraulic products recognize that excessive fluid contamination is the main cause of hydraulic installations bad working.

Degree filtering of 15 micron - Classe di contaminazione 18/14 ISO 4406 (9 NAS 1638)

Ambient temperature -20°C +50°C
Oil temperature -20°C +80°C

All technical curves shown in the present catalogue have been made using mineral oil with ISO VG 46 viscosity degree at the temperature of 40°C and a degree of absolute filtering of 15 micron.

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price list



HAND PUMP - PMP 20

- double acting hand pump for a single acting cylinder - for fixing to wall

Type	Description	pg.	P	pg.	L
PMP 20	with release hand knob	45		134	
PMP 20 s	with release hand knob - with bellows	45		134	
PMP 20 e	without release hand knob	46		134	
PMP 20 e-s	without release hand knob - with bellows	46		134	
PMP 20 m	with manipulator normally closed	47		134	
PMP 20 m-s	with manipulator normally closed - with bellows	47		134	
PMP 20 L	with release lever	48		134	
PMP 20 L-s	with release lever - with bellows	48		134	
PMP 20 byB-e	without release hand knob - with pressure relief valve	49		134	
PMP 20 byB-e-s	without release hand knob - with pressure relief valve - with bellows	49		134	
PMP 20 byB	with release hand knob - with integrated pressure relief valve	50		134	
PMP 20 byB-s	with release hand knob - with integrated pressure relief valve - with bellows	50		134	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMO 50

- double acting hand pump for a single acting cylinder - for fixing to wall

Type	Description	pg.	P	pg.	L
PMO 50	with release hand knob	51		135	
PMO 50 s	with release hand knob - with bellows	51		135	
PMO 50 e	without release hand knob	52		135	
PMO 50 e-s	without release hand knob - with bellows	52		135	
PMO 50 m	with manipulator normally closed	53		135	
PMO 50 m-s	with manipulator normally closed - with bellows	53		135	
PMO 50 L	with release lever	54		135	
PMO 50 L-s	with release lever - with bellows	54		135	
PMO 50 byB-e	without release hand knob - with pressure relief valve	55		135	
PMO 50 byB-e-s	without release hand knob - with pressure relief valve - with bellows	55		135	
PMO 50 byB	with release hand knob - with integrated pressure relief valve	56		135	
PMO 50 byB-s	with release hand knob - with integrated pressure relief valve - with bellows	56		135	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMO 70

- double acting hand pump for a single acting cylinder - for fixing to wall

Type	Description	pg.	P	pg.	L
PMO 70	with release hand knob	57		136	
PMO 70 s	with release hand knob - with bellows	57		136	
PMO 70 e	without release hand knob	58		136	
PMO 70 e-s	without release hand knob	58		136	
PMO 70 m	without release hand knob - with bellows	59		136	
PMO 70 m-s	with manipulator normally closed	59		136	
PMO 70 L	with manipulator normally closed - with bellows	60		136	
PMO 70 L-s	with release lever	60		136	
PMO 70 byB-e	with release lever - with bellows	61		136	
PMO 70 byB-e-s	without release hand knob - with pressure relief valve	61		136	
PMO 70 byB	without release hand knob - with pressure relief valve - with bellows	62		136	
PMO 70 byB-s	with release hand knob - with integrated pressure relief valve	62		136	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM 6

- double acting hand pump for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PM 6	with release hand knob	63		137	
PM 6 s	with release hand knob - with bellows	63		137	
PM 6 byB	with pressure relief valve (right side)	64		137	
PM 6 byB-s	with pressure relief valve (right side) - with bellows	64		137	
PM 6 e	without release hand knob	65		137	
PM 6 e-s	without release hand knob - with bellows	65		137	
PM 6 byB-e	without release hand knob - with pressure relief valve (right side)	66		137	
PM 6 byB-e-s	without release hand knob - with pressure relief valve (right side) - with bellows	66		137	
PM 6 m	with manipulator normally closed	67		137	
PM 6 m-s	with manipulator normally closed - with bellows	67		137	
PM 6 byB-m	with pressure relief valve (right side) - with manipulator normally closed	68		137	
PM 6 byB-m-s	with pressure relief valve (right side) - with manipulator normally closed - with bellows	68		137	
PM 6 mna	with manipulator normally open	69		137	
PM 6 mna-s	with manipulator normally open - with bellows	69		137	
PM 6 byB-mna	with pressure relief valve (right side) - with manipulator normally open	70		137	
PM 6 byB-mna-s	with pressure relief valve (right side) - with manipulator normally open - with bellows	70		137	
PM 6 L	with release lever	71		137	
PM 6 L-s	with release lever - with bellows	71		137	
PM 6 byB-L	with pressure relief valve (right side) - with release lever	72		137	
PM 6 byB-L-s	with pressure relief valve (right side) - with release lever - with bellows	72		137	
PM 6 byC	with release hand knob - with integrated pressure relief valve	73		137	
PM 6 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	73		137	
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM 12

- double acting hand pump for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PM 12	with release hand knob	63		138	
PM 12 s	with release hand knob - with bellows	63		138	
PM 12 byB	with pressure relief valve (right side)	64		138	
PM 12 byB-s	with pressure relief valve (right side) - with bellows	64		138	
PM 12 e	without release hand knob	65		138	
PM 12 e-s	without release hand knob - with bellows	65		138	
PM 12 byB-e	without release hand knob - with pressure relief valve (right side)	66		138	
PM 12 byB-e-s	without release hand knob - with pressure relief valve (right side) - with bellows	66		138	
PM 12 m	with manipulator normally closed	67		138	
PM 12 m-s	with manipulator normally closed - with bellows	67		138	
PM 12 byB-m	with pressure relief valve (right side) - with manipulator normally closed	68		138	
PM 12 byB-m-s	with pressure relief valve (right side) - with manipulator normally closed - with bellows	68		138	
PM 12 mna	with manipulator normally open	69		138	
PM 12 mna-s	with manipulator normally open - with bellows	69		138	
PM 12 byB-mna	with pressure relief valve (right side) - with manipulator normally open	70		138	
PM 12 byB-mna-s	with pressure relief valve (right side) - with manipulator normally open - with bellows	70		138	
PM 12 L	with release lever	71		138	
PM 12 L-s	with release lever - with bellows	71		138	
PM 12 byB-L	with pressure relief valve (right side) - with release lever	72		138	
PM 12 byB-L-s	with pressure relief valve (right side) - with release lever - with bellows	72		138	
PM 12 byC	with release hand knob - with integrated pressure relief valve	73		138	
PM 12 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	73		138	
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM 25

- double acting hand pump for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PM 25	with release hand knob	63		139	
PM 25 s	with release hand knob - with bellows	63		139	
PM 25 byB	with pressure relief valve (right side)	64		139	
PM 25 byB-s	with pressure relief valve (right side) - with bellows	64		139	
PM 25 e	without release hand knob	65		139	
PM 25 e-s	without release hand knob - with bellows	65		139	
PM 25 byB-e	without release hand knob - with pressure relief valve (right side)	66		139	
PM 25 byB-e-s	without release hand knob - with pressure relief valve (right side) - with bellows	66		139	
PM 25 m	with manipulator normally closed	67		139	
PM 25 m-s	with manipulator normally closed - with bellows	67		139	
PM 25 byB-m	with pressure relief valve (right side) - with manipulator normally closed	68		139	
PM 25 byB-m-s	with pressure relief valve (right side) - with manipulator normally closed - with bellows	68		139	
PM 25 mna	with manipulator normally open	69		139	
PM 25 mna-s	with manipulator normally open - with bellows	69		139	
PM 25 byB-mna	with pressure relief valve (right side) - with manipulator normally open	70		139	
PM 25 byB-mna-s	with pressure relief valve (right side) - with manipulator normally open - with bellows	70		139	
PM 25 L	with release lever	71		139	
PM 25 L-s	with release lever - with bellows	71		139	
PM 25 byB-L	with pressure relief valve (right side) - with release lever	72		139	
PM 25 byB-L-s	with pressure relief valve (right side) - with release lever - with bellows	72		139	
PM 25 byC	with release hand knob - with integrated pressure relief valve	73		139	
PM 25 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	73		139	
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM 45

- double acting hand pump for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PM 45	with release hand knob	63		140	
PM 45 s	with release hand knob - with bellows	63		140	
PM 45 byB	with pressure relief valve (right side)	64		140	
PM 45 byB-s	with pressure relief valve (right side) - with bellows	64		140	
PM 45 e	without release hand knob	65		140	
PM 45 e-s	without release hand knob - with bellows	65		140	
PM 45 byB-e	without release hand knob - with pressure relief valve (right side)	66		140	
PM 45 byB-e-s	without release hand knob - with pressure relief valve (right side) - with bellows	66		140	
PM 45 m	with manipulator normally closed	67		140	
PM 45 m-s	with manipulator normally closed - with bellows	67		140	
PM 45 byB-m	with pressure relief valve (right side) - with manipulator normally closed	68		140	
PM 45 byB-m-s	with pressure relief valve (right side) - with manipulator normally closed - with bellows	68		140	
PM 45 mna	with manipulator normally open	69		140	
PM 45 mna-s	with manipulator normally open - with bellows	69		140	
PM 45 byB-mna	with pressure relief valve (right side) - with manipulator normally open	70		140	
PM 45 byB-mna-s	with pressure relief valve (right side) - with manipulator normally open - with bellows	70		140	
PM 45 L	with release lever	71		140	
PM 45 L-s	with release lever - with bellows	71		140	
PM 45 byB-L	with pressure relief valve (right side) - with release lever	72		140	
PM 45 byB-L-s	with pressure relief valve (right side) - with release lever - with bellows	72		140	
PM 45 byC	with release hand knob - with integrated pressure relief valve	73		140	
PM 45 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	73		140	
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMD 6

- double acting hand pump for a double acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMD 6	with 4/3 diverter closed centre.	74		141	
PMD 6 s	with 4/3 diverter closed centre - with bellows	74		141	
PMD 6 byB	with 4/3 diverter closed centre - with pressure relief valve (right side)	75		141	
PMD 6 byB-s	with 4/3 diverter closed centre - with pressure relief valve (right side) - with bellows	75		141	
PMD 6 L	with 4/3 diverter closed centre - with release lever	76		141	
PMD 6 L-s	with 4/3 diverter closed centre - with release lever - with bellows	76		141	
PMD 6 byA-L	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side)	77		141	
PMD 6 byA-L-s	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side) - with bellows	77		141	
PMD 6 dna	with 4/3 diverter open centre	78		141	
PMD 6 dna-s	with 4/3 diverter open centre - with bellows	78		141	
PMD 6 dna-byB	with 4/3 diverter open centre - with pressure relief valve (right side)	79		141	
PMD 6 dna-byB-s	with 4/3 diverter open centre - with pressure relief valve (right side) - with bellows	79		141	
PMD 6 dna-L	with 4/3 diverter open centre - with release lever	80		141	
PMD 6 dna-L-s	with 4/3 diverter open centre - with release lever - with bellows	80		141	
PMD 6 dna-byA-L	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side)	81		141	
PMD 6 dna-byA-L-s	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side) - with bellows	81		141	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMD 12

- double acting hand pump for a double acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMD 12	with 4/3 diverter closed centre.	74		142	
PMD 12 s	with 4/3 diverter closed centre - with bellows	74		142	
PMD 12 byB	with 4/3 diverter closed centre - with pressure relief valve (right side)	75		142	
PMD 12 byB-s	with 4/3 diverter closed centre - with pressure relief valve (right side) - with bellows	75		142	
PMD 12 L	with 4/3 diverter closed centre - with release lever	76		142	
PMD 12 L-s	with 4/3 diverter closed centre - with release lever - with bellows	76		142	
PMD 12 byA-L	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side)	77		142	
PMD 12 byA-L-s	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side) - with bellows	77		142	
PMD 12 dna	with 4/3 diverter open centre	78		142	
PMD 12 dna-s	with 4/3 diverter open centre - with bellows	78		142	
PMD 12 dna-byB	with 4/3 diverter open centre - with pressure relief valve (right side)	79		142	
PMD 12 dna-byB-s	with 4/3 diverter open centre - with pressure relief valve (right side) - with bellows	79		142	
PMD 12 dna-L	with 4/3 diverter open centre - with release lever	80		142	
PMD 12 dna-L-s	with 4/3 diverter open centre - with release lever - with bellows	80		142	
PMD 12 dna-byA-L	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side)	81		142	
PMD 12 dna-byA-L-s	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side) - with bellows	81		142	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMD 25

- double acting hand pump for a double acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMD 25	with 4/3 diverter closed centre.	74		143	
PMD 25 s	with 4/3 diverter closed centre - with bellows	74		143	
PMD 25 byB	with 4/3 diverter closed centre - with pressure relief valve (right side)	75		143	
PMD 25 byB-s	with 4/3 diverter closed centre - with pressure relief valve (right side) - with bellows	75		143	
PMD 25 L	with 4/3 diverter closed centre - with release lever	76		143	
PMD 25 L-s	with 4/3 diverter closed centre - with release lever - with bellows	76		143	
PMD 25 byA-L	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side)	77		143	
PMD 25 byA-L-s	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side) - with bellows	77		143	
PMD 25 dna	with 4/3 diverter open centre	78		143	
PMD 25 dna-s	with 4/3 diverter open centre - with bellows	78		143	
PMD 25 dna-byB	with 4/3 diverter open centre - with pressure relief valve (right side)	79		143	
PMD 25 dna-byB-s	with 4/3 diverter open centre - with pressure relief valve (right side) - with bellows	79		143	
PMD 25 dna-L	with 4/3 diverter open centre - with release lever	80		143	
PMD 25 dna-L-s	with 4/3 diverter open centre - with release lever - with bellows	80		143	
PMD 25 dna-byA-L	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side)	81		143	
PMD 25 dna-byA-L-s	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side) - with bellows	81		143	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMD 45

- double acting hand pump for a double acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMD 45	with 4/3 diverter closed centre.	74		144	
PMD 45 s	with 4/3 diverter closed centre - with bellows	74		144	
PMD 45 byB	with 4/3 diverter closed centre - with pressure relief valve (right side)	75		144	
PMD 45 byB-s	with 4/3 diverter closed centre - with pressure relief valve (right side) - with bellows	75		144	
PMD 45 L	with 4/3 diverter closed centre - with release lever	76		144	
PMD 45 L-s	with 4/3 diverter closed centre - with release lever - with bellows	76		144	
PMD 45 byA-L	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side)	77		144	
PMD 45 byA-L-s	with 4/3 diverter closed centre - with release lever - with pressure relief valve (left side) - with bellows	77		144	
PMD 45 dna	with 4/3 diverter open centre	78		144	
PMD 45 dna-s	with 4/3 diverter open centre - with bellows	78		144	
PMD 45 dna-byB	with 4/3 diverter open centre - with pressure relief valve (right side)	79		144	
PMD 45 dna-byB-s	with 4/3 diverter open centre - with pressure relief valve (right side) - with bellows	79		144	
PMD 45 dna-L	with 4/3 diverter open centre - with release lever	80		144	
PMD 45 dna-L-s	with 4/3 diverter open centre - with release lever - with bellows	80		144	
PMD 45 dna-byA-L	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side)	81		144	
PMD 45 dna-byA-L-s	with 4/3 diverter open centre - with release lever - with pressure relief valve (left side) - with bellows	81		144	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

- double acting hand pump for a double acting cylinder - for mounting to tank

[illegible]



HAND PUMP - PMDVB 12

- double acting hand pump for a double acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMDVB 12	with 4/3 diverter - with dual pilot check valve - with brakes	82		146	
PMDVB 12 s	with 4/3 diverter - with dual pilot check valve - with brakes - with bellows	82		146	
PMDVB 12 byB	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right side)	83		146	
PMDVB 12 byB-s	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right side) - with bellows	83		146	
PMDVB 12 byAB	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right and left side)	84		146	
PMDVB 12 byAB-s	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right and left side) - with bellows	84		146	
PMDVB 12 byA	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (left side)	85		146	
PMDVB 12 byA-s	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (left side) - with bellows	85		146	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

- double acting hand pump for a double acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMDVB 25	with 4/3 diverter - with dual pilot check valve - with brakes	82		147	
PMDVB 25 s	with 4/3 diverter - with dual pilot check valve - with brakes - with bellows	82		147	
PMDVB 25 byB	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right side)	83		147	
PMDVB 25 byB-s	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right side) - with bellows	83		147	
PMDVB 25 byAB	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right and left side)	84		147	
PMDVB 25 byAB-s	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (right and left side) - with bellows	84		147	
PMDVB 25 byA	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (left side)	85		147	
PMDVB 25 byA-s	with 4/3 diverter - with dual pilot check valve - with brakes - with pressure relief valve (left side) - with bellows	85		147	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

- double acting hand pump for a double acting cylinder - for mounting to tank

[illegible]



HAND PUMP - PMSE 8

- single acting hand pumps for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMSE 8	with release hand knob	86		149	
PMSE 8 s	with release hand knob - with bellows	86		149	
PMSE 8 byB	with pressure relief valve (right side)	87		149	
PMSE 8 byB-s	with pressure relief valve (right side) - with bellows	87		149	
PMSE 8 e	without release hand knob	88		149	
PMSE 8 e-s	without release hand knob - with bellows	88		149	
PMSE 8 byA-e	without release hand knob - with pressure relief valve (left side)	89		149	
PMSE 8 byA-e-s	without release hand knob - with pressure relief valve (left side) - with bellows	89		149	
PMSE 8 byA	with release hand knob - with integrated pressure relief valve	90		149	
PMSE 8 byA-s	with release hand knob - with integrated pressure relief valve - with bellows	90		149	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMSE 15

- single acting hand pumps for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMSE 15	with release hand knob	86		150	
PMSE 15 s	with release hand knob - with bellows	86		150	
PMSE 15 byB	with pressure relief valve (right side)	87		150	
PMSE 15 byB-s	with pressure relief valve (right side) - with bellows	87		150	
PMSE 15 e	without release hand knob	88		150	
PMSE 15 e-s	without release hand knob - with bellows	88		150	
PMSE 15 byA-e	without release hand knob - with pressure relief valve (left side)	89		150	
PMSE 15 byA-e-s	without release hand knob - with pressure relief valve (left side) - with bellows	89		150	
PMSE 15 byA	with release hand knob - with integrated pressure relief valve	90		150	
PMSE 15 byA-s	with release hand knob - with integrated pressure relief valve - with bellows	90		150	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMSE 20

- single acting hand pumps for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMSE 20	with release hand knob	91		151	
PMSE 20 s	with release hand knob - with bellows	91		151	
PMSE 20 byA	with pressure relief valve (left side)	92		151	
PMSE 20 byA-s	with pressure relief valve (left side) - with bellows	92		151	
PMSE 20 e	without release hand knob	93		151	
PMSE 20 e-s	without release hand knob - with bellows	93		151	
PMSE 20 byC-e	without release hand knob - with pressure relief valve (left side)	94		151	
PMSE 20 byC-e-s	without release hand knob - with pressure relief valve (left side) - with bellows	94		151	
PMSE 20 L	with release lever	95		151	
PMSE 20 L-s	with release lever - with bellows	95		151	
PMSE 20 L-byA	with release lever - with pressure relief valve (left side)	96		151	
PMSE 20 L-byA-s	with release lever - with pressure relief valve (left side) - with bellows	96		151	
PMSE 20 byC	with release hand knob - with integrated pressure relief valve	97		151	
PMSE 20 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	97		151	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMSE 30

- single acting hand pumps for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMSE 30	with release hand knob	91		152	
PMSE 30 s	with release hand knob - with bellows	91		152	
PMSE 30 byA	with pressure relief valve (left side)	92		152	
PMSE 30 byA-s	with pressure relief valve (left side) - with bellows	92		152	
PMSE 30 e	without release hand knob	93		152	
PMSE 30 e-s	without release hand knob - with bellows	93		152	
PMSE 30 byC-e	without release hand knob - with pressure relief valve (left side)	94		152	
PMSE 30 byC-e-s	without release hand knob - with pressure relief valve (left side) - with bellows	94		152	
PMSE 30 L	with release lever	95		152	
PMSE 30 L-s	with release lever - with bellows	95		152	
PMSE 30 L-byA	with release lever - with pressure relief valve (left side)	96		152	
PMSE 30 L-byA-s	with release lever - with pressure relief valve (left side) - with bellows	96		152	
PMSE 30 byC	with release hand knob - with integrated pressure relief valve	97		152	
PMSE 30 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	97		152	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMSE 40

- single acting hand pumps for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PMSE 40	with release hand knob	91		153	
PMSE 40 s	with release hand knob - with bellows	91		153	
PMSE 40 byA	with pressure relief valve (left side)	92		153	
PMSE 40 byA-s	with pressure relief valve (left side) - with bellows	92		153	
PMSE 40 e	without release hand knob	93		153	
PMSE 40 e-s	without release hand knob - with bellows	93		153	
PMSE 40 byC-e	without release hand knob - with pressure relief valve (left side)	94		153	
PMSE 40 byC-e-s	without release hand knob - with pressure relief valve (left side) - with bellows	94		153	
PMSE 40 L	with release lever	95		153	
PMSE 40 L-s	with release lever - with bellows	95		153	
PMSE 40 L-byA	with release lever - with pressure relief valve (left side)	96		153	
PMSE 40 L-byA-s	with release lever - with pressure relief valve (left side) - with bellows	96		153	
PMSE 40 byC	with release hand knob - with integrated pressure relief valve	97		153	
PMSE 40 byC-s	with release hand knob - with integrated pressure relief valve - with bellows	97		153	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM2V 5-80

- two speed hand pump for a single acting cylinder - for mounting to tank

Type	Description	pg.	P	pg.	L
PM2V 5-80 Lm	with release hand knob - exclusion lever for the first speed	98		154	
PM2V 5-80 Lm-s	with release hand knob - exclusion lever for the first speed - with bellows	98		154	
PM2V 5-80 Lm-byB	with release hand knob - exclusion lever for the first speed - with pressure relief valve	99		154	
PM2V 5-80 Lm-byB-s	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with bellows	99		154	
PM2V 5-80 Lm-pm	with release hand knob - exclusion lever for the first speed - with pressure-gauge prearrangement	100		154	
PM2V 5-80 Lm-pm-s	with release hand knob - exclusion lever for the first speed - with pressure-gauge prearrangement - with bellows	100		154	
PM2V 5-80 Lm-M	with release hand knob - exclusion lever for the first speed - with pressure-gauge	101		154	
PM2V 5-80 Lm-M-s	with release hand knob - exclusion lever for the first speed - with pressure-gauge - with bellows	101		154	
PM2V 5-80 Lm-byB-pm	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge prearrangement	102		154	
PM2V 5-80 Lm-byB-pm-s	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge prearrangement - with bellows	102		154	
PM2V 5-80 Lm-byB-M	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge	103		154	
PM2V 5-80 Lm-byB-M-s	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge - with bellows	103		154	
PM2V 5-80 a	with release hand knob - exclusion lever for the first speed	104		154	
PM2V 5-80 a-s	with release hand knob - exclusion lever for the first speed - with bellows	104		154	
PM2V 5-80 a-byB	with release hand knob - exclusion lever for the first speed - with pressure relief valve	105		154	
PM2V 5-80 a-byB-s	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with bellows	105		154	
PM2V 5-80 a-pm	with release hand knob - exclusion lever for the first speed - with pressure-gauge prearrangement	106		154	
PM2V 5-80 a-pm-s	with release hand knob - exclusion lever for the first speed - with pressure-gauge prearrangement - with bellows	106		154	
PM2V 5-80 a-M	with release hand knob - exclusion lever for the first speed - with pressure-gauge	107		154	
PM2V 5-80 a-M-s	with release hand knob - exclusion lever for the first speed - with pressure-gauge - with bellows	107		154	
PM2V 5-80 a-byB-pm	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge prearrangement	108		154	
PM2V 5-80 a-byB-pm-s	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge prearrangement - with bellows	108		154	
PM2V 5-80 a-byB-M	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge	109		154	
PM2V 5-80 a-byB-M-s	with release hand knob - exclusion lever for the first speed - with pressure relief valve - with pressure-gauge - with bellows	109		154	
					
					
					
					
					
					
					
					
					



HAND PUMP - PM2P 5

- double acting hand pump for a single acting cylinder

Type	Description	pg.	P	pg.	L
PM2P 5	with release hand knob	110		155	
PM2P 5 e	without release hand knob	111		155	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM2P 10

- double acting hand pump for a single acting cylinder

Type	Description	pg.	P	pg.	L
PM2P 10	with release hand knob	110		156	
PM2P 10 e	without release hand knob	111		156	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PM2P 17

- double acting hand pump for a single acting cylinder

Type	Description	pg.	P	pg.	L
PM2P 17	with release hand knob	110		157	
PM2P 17 e	without release hand knob	111		157	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



HAND PUMP - PMP 25

- double acting hand pump for a single acting cylinder

Type	Description	pg.	P	pg.	L
PMP 25 e	with release hand knob	112		158	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



FOOT PUMPS - PPSE 15

- single acting hand pump for a single acting cylinder with cylindrical tank

Type	Description	pg.	P	pg.	L
PPSE 15	with release lever	114		159	
PPSE 15 byB	with release lever – with pressure relief valve	115		159	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

OPERATING LEVERS FOR HAND PUMP

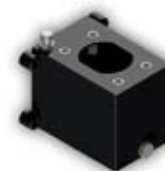
- straight levers

Type	Description	pg.	P	pg.	L
L 20x500 zb-d	straight lever 20x500 - white zincate - with hand grip	117		160	
L 27x330 zb-d	straight lever 27x330 - white zincate - with hand grip	117		160	
L 27x400 zb-d	straight lever 20x400 - white zincate - with hand grip	117		160	
L 27x600 zb-d	straight lever 27x600 - white zincate - with hand grip	117		160	
L 27x850 zb-d	straight lever 27x850 - white zincate - with hand grip	117		160	
L 27x1000 zb-d	straight lever 27x1000 - white zincate - with hand grip	117		160	
L 27x1500 zb-d	straight lever 27x1500 - white zincate - with hand grip	117		160	
					
					
					
					

LEVA PER POMPE A MANO

- fold lever

Type	Description	pg.	P	pg.	L
L 27x600 zb-p	bend lever 27x600 - white zincate - with hand grip	118		161	
					
					
					
					
					
					
					
					
					



STEEL OIL TANK

- painted steel oil tank for hand pumps

Type	Description	pg.	P	pg.	L
S1 ac	painted steel oil tank - lt 1	120		162	
S2 ac	painted steel oil tank - lt 2	120		162	
S3 ac	painted steel oil tank - lt 3	120		162	
S5 ac	painted steel oil tank - lt 5	120		162	
S7 ac	painted steel oil tank - lt 7	120		162	
S10 ac	painted steel oil tank - lt 10	120		162	
					
					
					
					
					

ALUMINIUM OIL TANK

- aluminium oil tank for hand pumps

in progress

Type	Description	pg.	P	pg.	L
in progress		121		163	
					
					
					
					
					
					
					
					
					



FLOW DIVIDER

- D3

Type	Description	pg.	P	pg.	L
D3 1/4 ca	3 ways flow divider - 1/4 G - open centre	123		164	
D3 1/4 cc	3 ways flow divider - 1/4 G - closed centre	123		164	
D3 3/8 ca	3 ways flow divider - 3/8 G - open centre	123		164	
D3 3/8 cc	3 ways flow divider - 3/8 G - closed centre	123		164	
D3 1/2 ca	3 ways flow divider - 1/2 G - open centre	123		164	
D3 1/2 cc	3 ways flow divider - 1/2 G - closed centre	123		164	
D3 3/4 ca	3 ways flow divider - 3/4 G - open centre	123		164	
D3 3/4 cc	3 ways flow divider - 3/4 G - closed centre	123		164	
D3 1 ca	3 ways flow divider - 1 G - open centre	123		164	
D3 1 cc	3 ways flow divider - 1 G - closed centre	123		164	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



FLOW DIVIDER

- D6

Type	Description	pg.	P	pg.	L
D6 1/4 ca	6 ways flow divider - 1/4 G - open centre	124		165	
D6 1/4 cc	6 ways flow divider - 1/4 G - closed centre	124		165	
D6 3/8 ca	6 ways flow divider - 3/8 G - open centre	124		165	
D6 3/8 cc	6 ways flow divider - 3/8 G - closed centre	124		165	
D6 1/2 ca	6 ways flow divider - 1/2 G - open centre	124		165	
D6 1/2 cc	6 ways flow divider - 1/2 G - closed centre	124		165	
D6 3/4 ca	6 ways flow divider - 3/4 G - open centre	124		165	
D6 3/4 cc	6 ways flow divider - 3/4 G - closed centre	124		165	
D6 1 ca	6 ways flow divider - 1 G - open centre	124		165	
D6 1 cc	6 ways flow divider - 1 G - closed centre	124		165	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



FLOW INVERTER

- D4

Type	Description	pg.	P	pg.	L
D4 1/4 ca	4 ways flow inverter - 1/4 G - open centre	125		166	
D4 1/4 cc	4 ways flow inverter - 1/4 G - closed centre	125		166	
D4 3/8 ca	4 ways flow inverter - 3/8 G - open centre	125		166	
D4 3/8 cc	4 ways flow inverter - 3/8 G - closed centre	125		166	
D4 1/2 ca	4 ways flow inverter - 1/2 G - open centre	125		166	
D4 1/2 cc	4 ways flow inverter - 1/2 G - closed centre	125		166	
D4 3/4 ca	4 ways flow inverter - 3/4 G - open centre	125		166	
D4 3/4 cc	4 ways flow inverter - 3/4 G - closed centre	125		166	
D4 1 ca	4 ways flow inverter - 1 G - open centre	125		166	
D4 1 cc	4 ways flow inverter - 1 G - closed centre	125		166	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



FLOW INVERTER

- D8

Type	Description	pg.	P	pg.	L
D8 1/4 ca	8 ways flow inverter - 1/4 G - open centre	126		167	
D8 1/4 cc	8 ways flow inverter - 1/4 G - closed centre	126		167	
D8 3/8 ca	8 ways flow inverter - 3/8 G - open centre	126		167	
D8 3/8 cc	8 ways flow inverter - 3/8 G - closed centre	126		167	
D8 1/2 ca	8 ways flow inverter - 1/2 G - open centre	126		167	
D8 1/2 cc	8 ways flow inverter - 1/2 G - closed centre	126		167	
D8 3/4 ca	8 ways flow inverter - 3/4 G - open centre	126		167	
D8 3/4 cc	8 ways flow inverter - 3/4 G - closed centre	126		167	
D8 1 ca	8 ways flow inverter - 1 G - open centre	126		167	
D8 1 cc	8 ways flow inverter - 1 G - closed centre	126		167	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



END STROKE VALVE

- 2 position end-stroke valve for tipping trucks

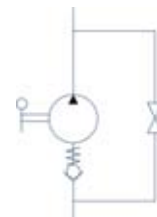
Type	Description	pg.	P	pg.	L
3/8 na	normally open traction	128		168	
1/2 na	normally open traction	128		168	
3/4 na	normally open traction	128		168	
1 G na	normally open traction	129		168	
3/8 nc	normally closed traction	130		168	
1/2 nc	normally closed traction	130		168	
3/4 nc	normally closed traction	130		168	
1 G nc	normally closed traction	131		168	
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

HAND PUMPS

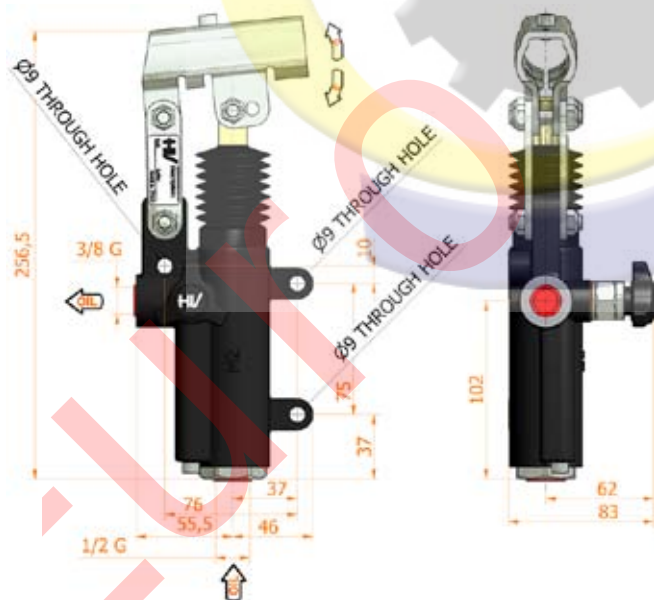
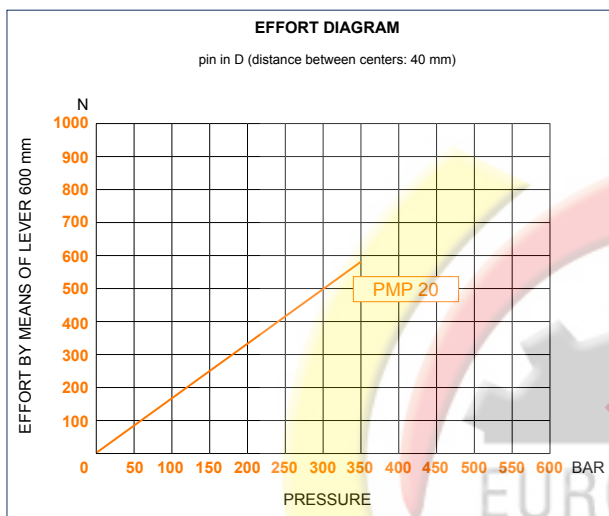


PMP 20 s

with release hand knob



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

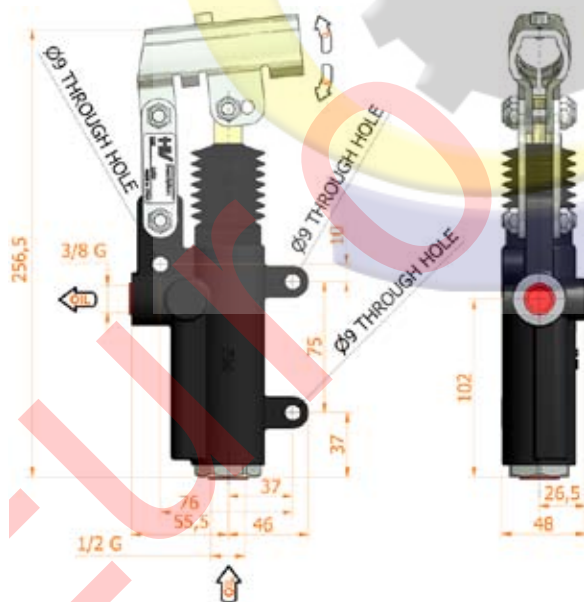
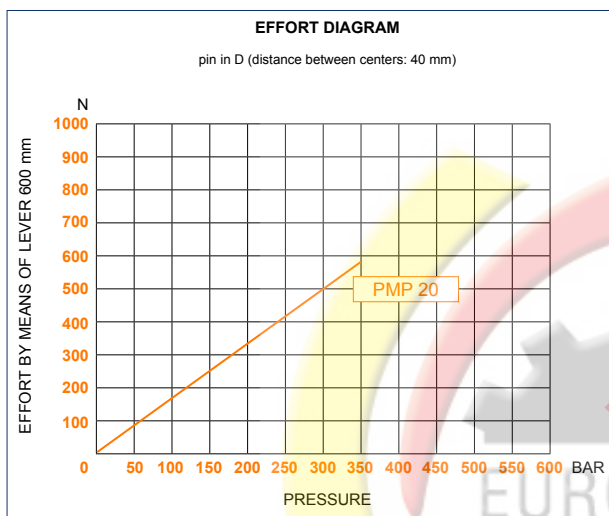
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	-	-	-	32	30	20,090	280	350	2,650	6074.0054	6074.0059	

PMP 20 e-s

without release hand knob



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

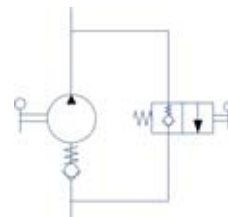
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	-	-	-	32	30	20,090	280	350	2,650	6074.0055	6074.0060	

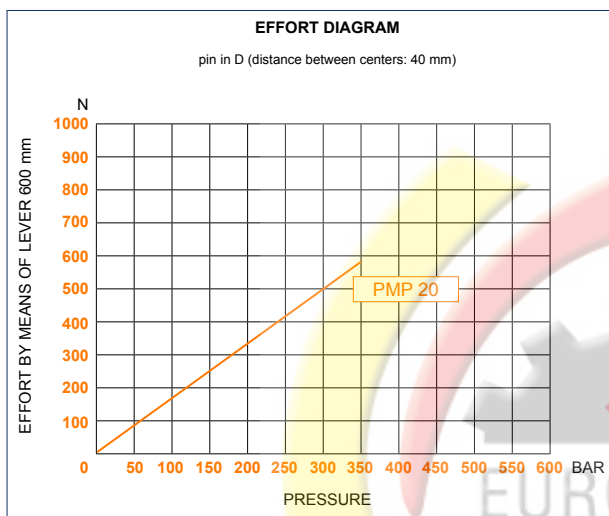


PMP 20 m-s

with normally closed manipulator



double acting hand pump for single acting cylinder
for fixing to wall



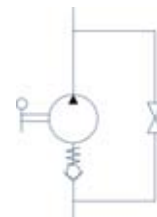
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

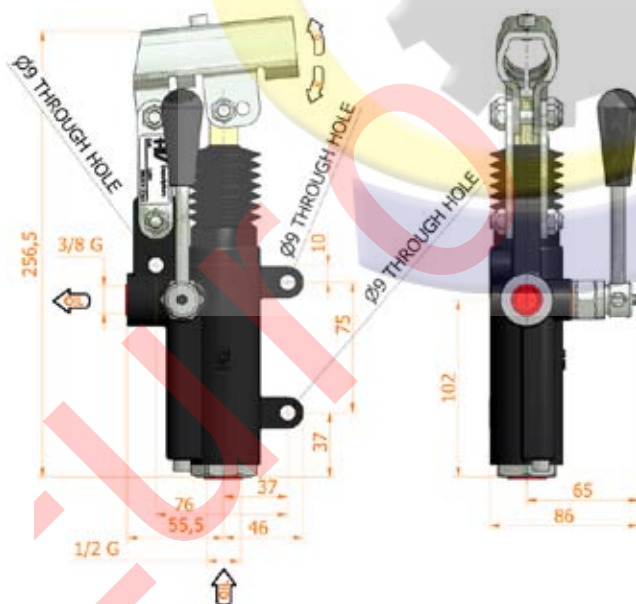
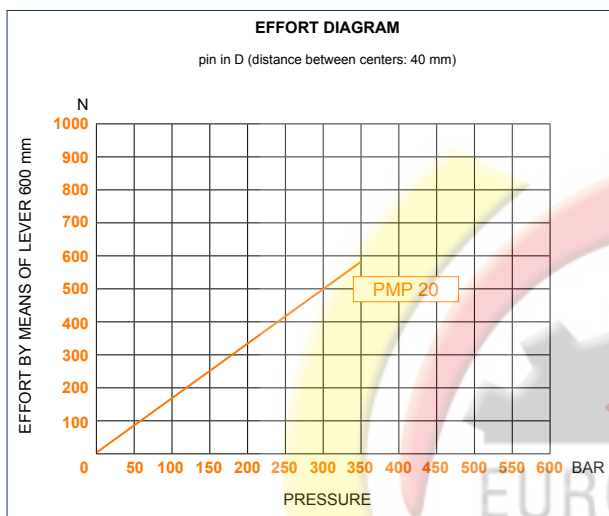
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	-	-	-	32	30	20,090	280	350	2,650	6074.0056	6074.0061	

PMP 20 L-s

with release lever



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

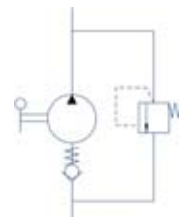
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	-	-	-	32	30	20,090	280	350	2,650	6074.0057	6074.0062	

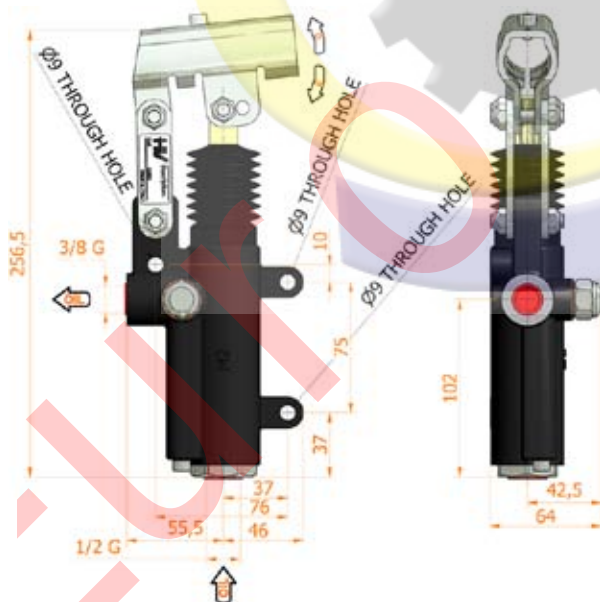
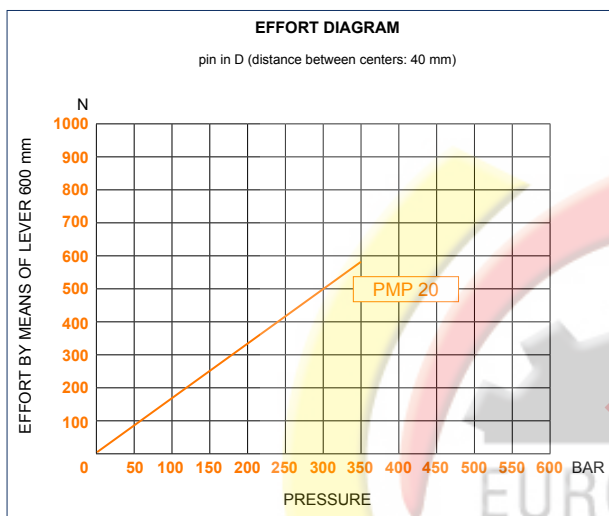


PMP 20 byB-e-s

without release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

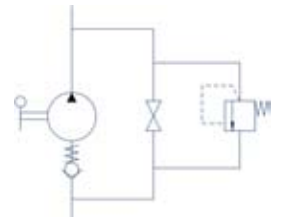
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	-	-	-	32	30	20,090	280	350	2,650	6074.0058	6074.0063	

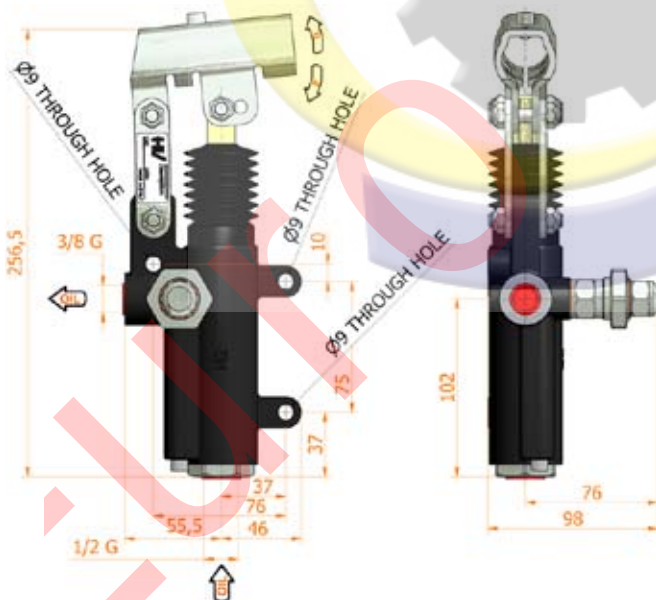
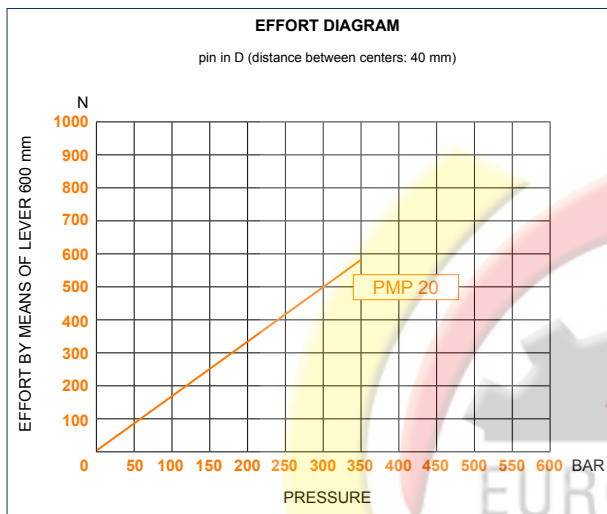


PMP 20 byB-s

with release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to wall



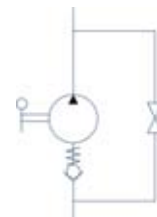
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Pressure relief valve standard setting: **100 bar**

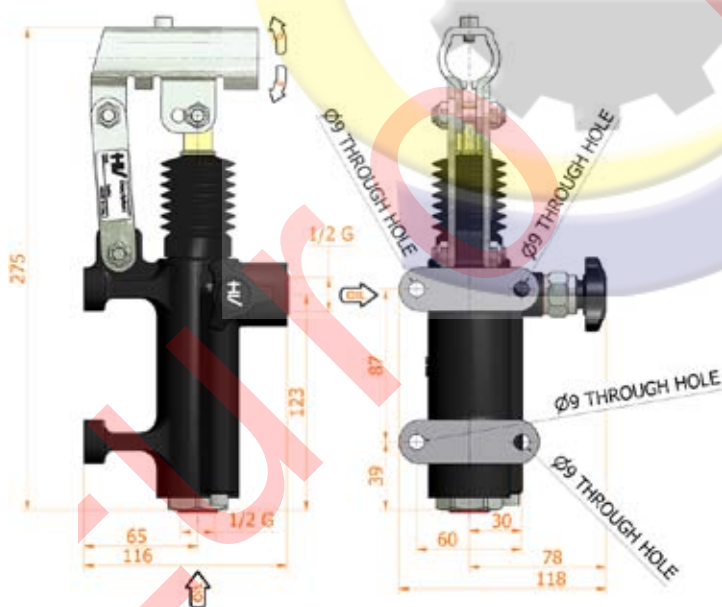
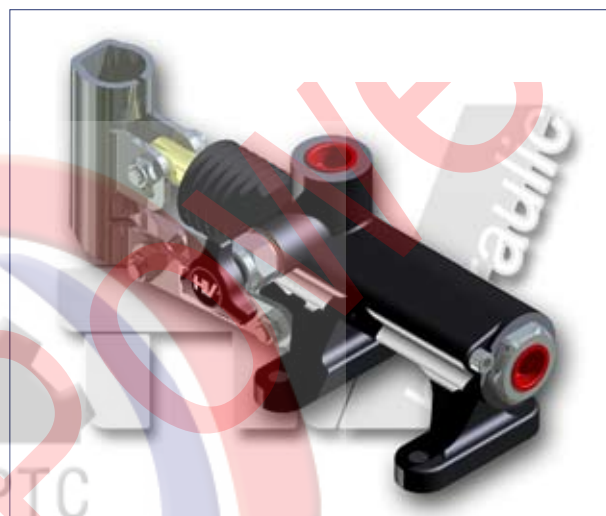
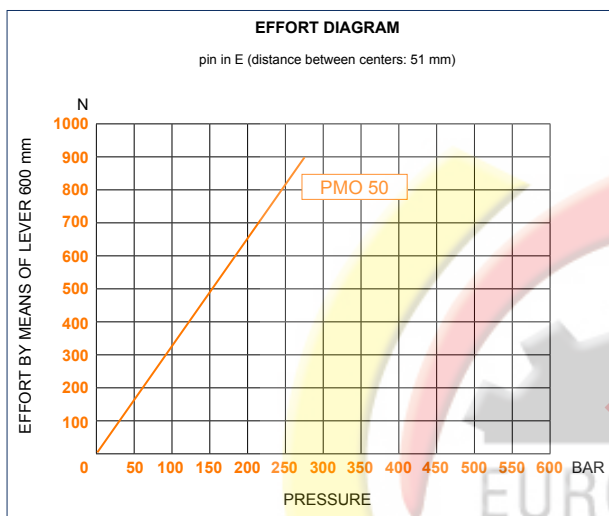
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	-	-	-	32	30	20,090	280	350	2,650	6074.0064	6074.0065	

PMO 50 s

with release hand knob



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

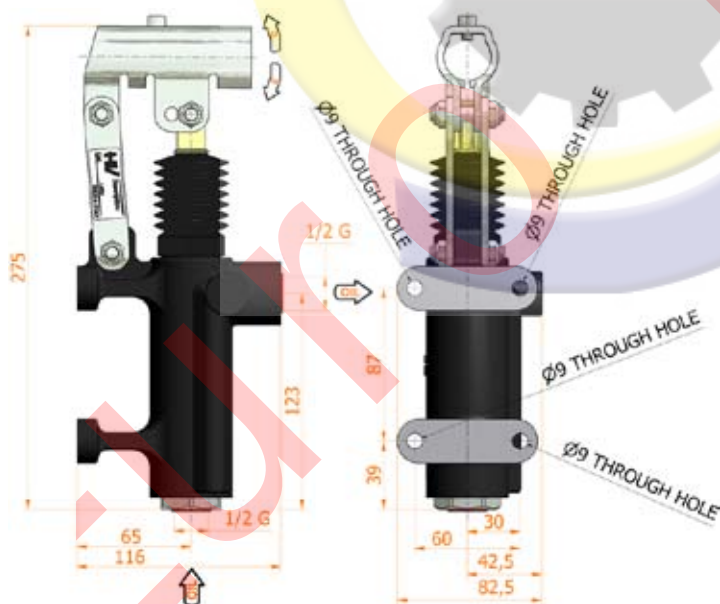
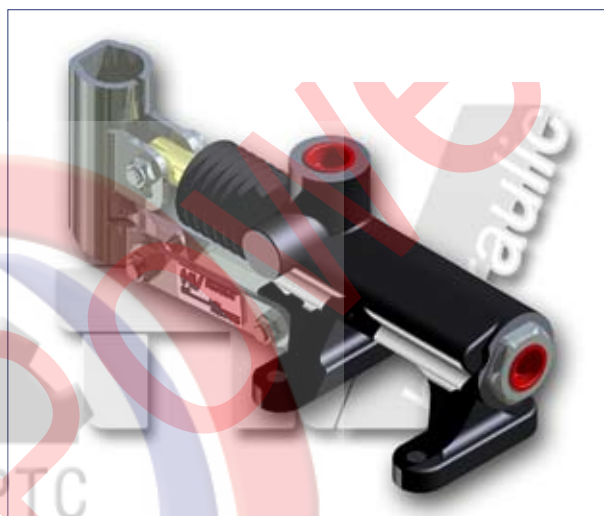
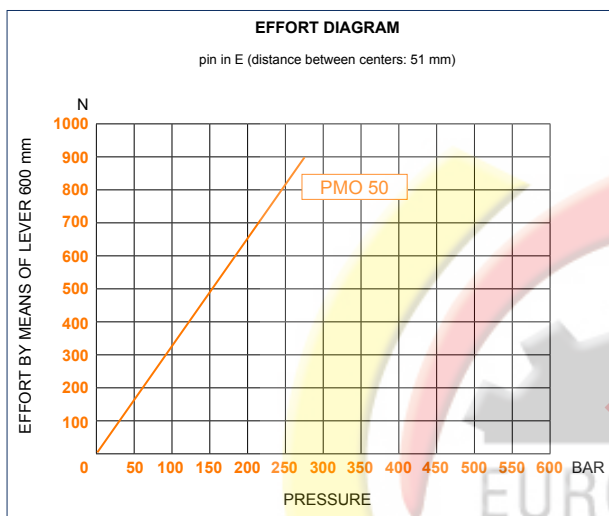
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
50	-	-	-	38	37	43,825	220	280	3,400	6077.0005	6077.0032	

PMO 50 e-s

without release hand knob



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

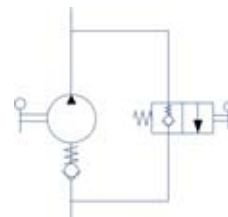
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
50	-	-	-	38	37	43,825	220	280	3,400	6077.0006	6077.0033	
												
												
												

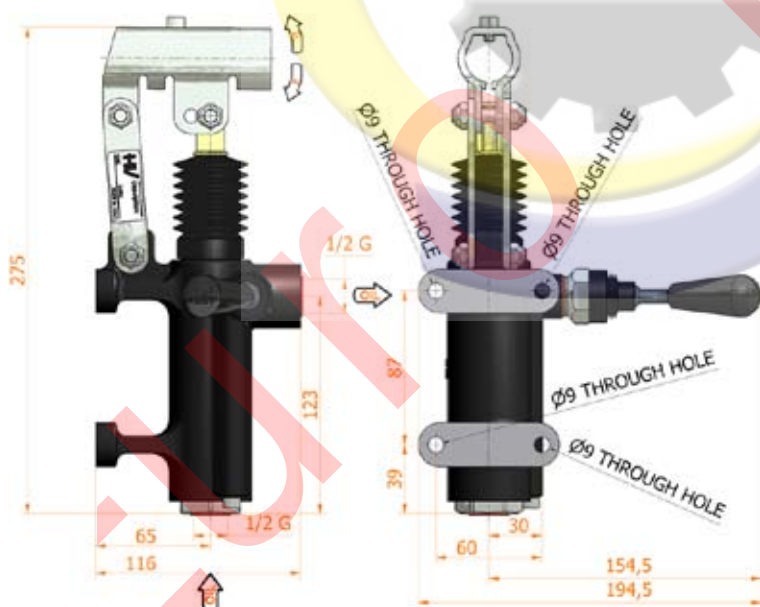
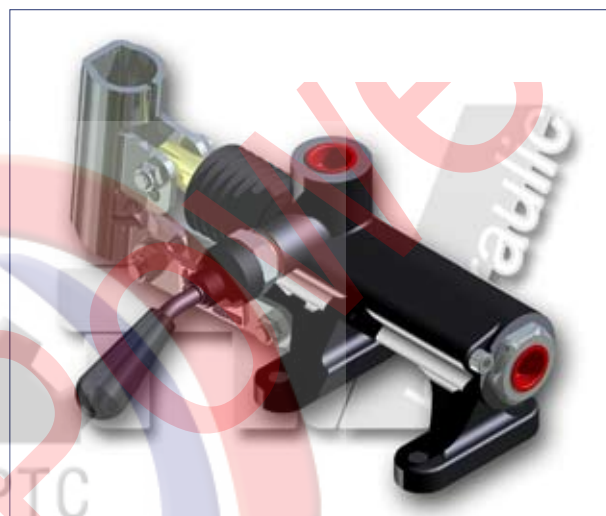
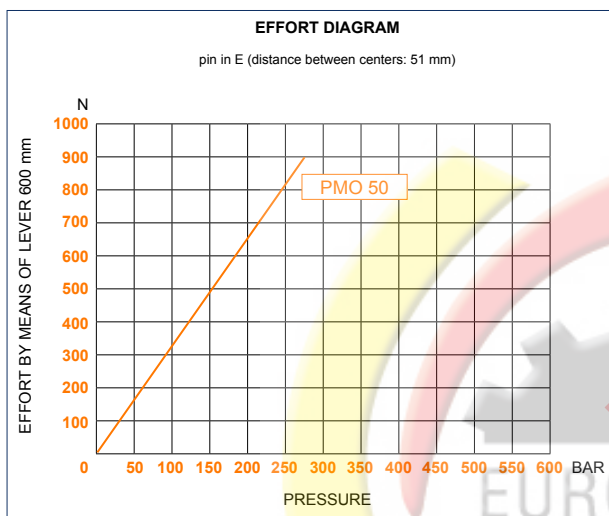


PMO 50 m-s

with normally closed manipulator



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

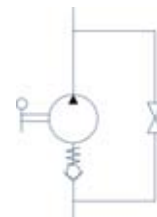
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
50	-	-	-	38	37	43,825	220	280	3,400	6077.0007	6077.0034	

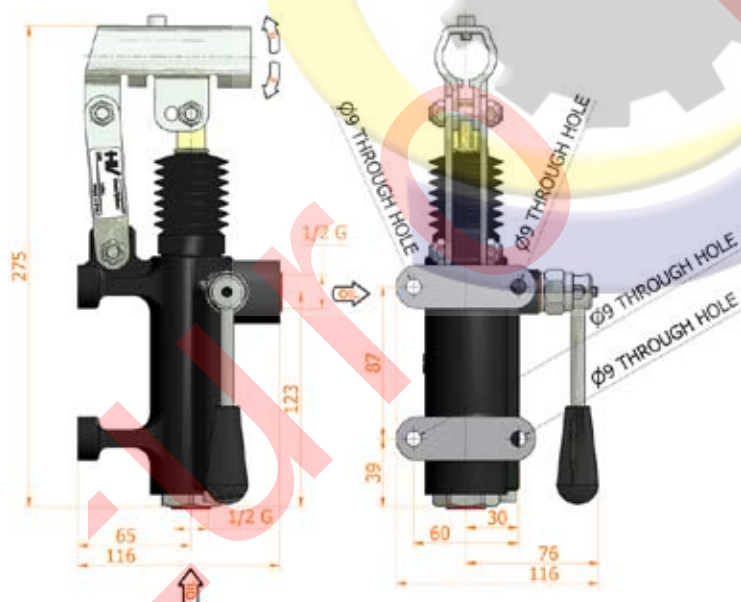
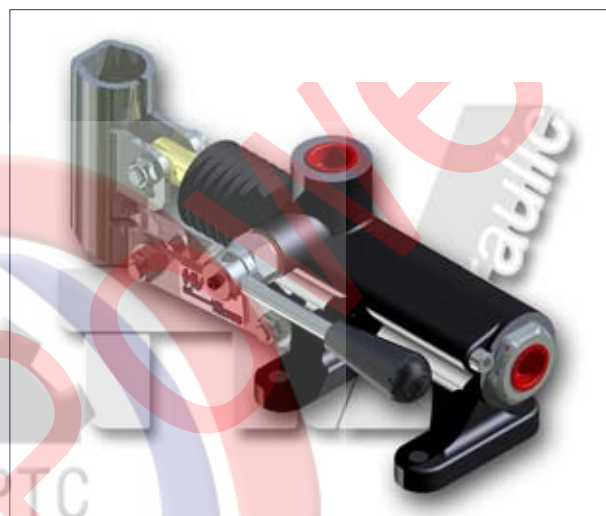
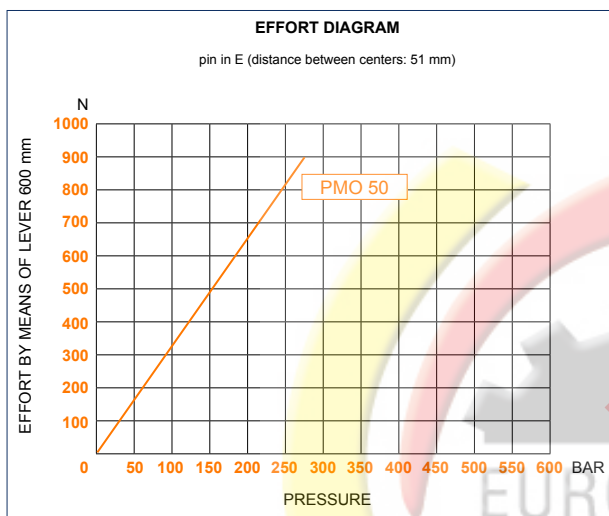


PMO 50 L-s

with release lever



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

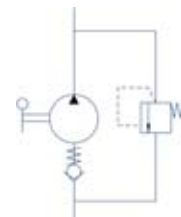
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
50	-	-	-	38	37	43,825	220	280	3,400	6077.0008	6077.0035	

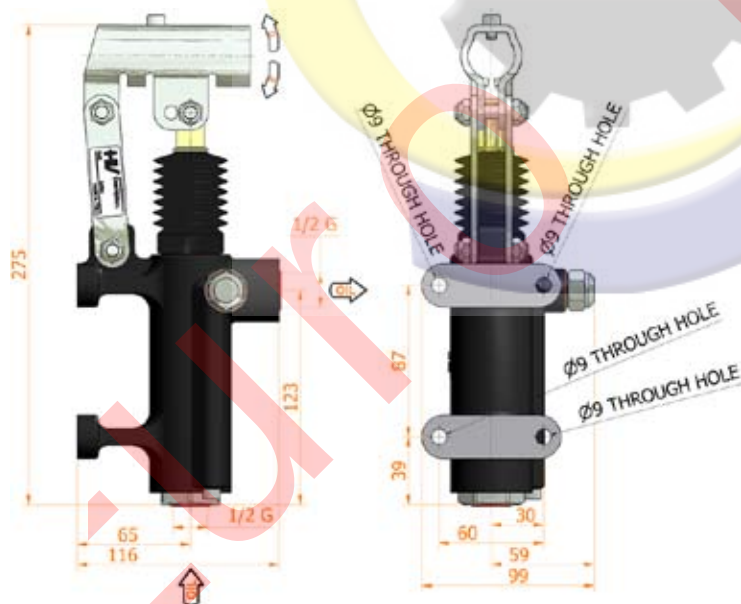
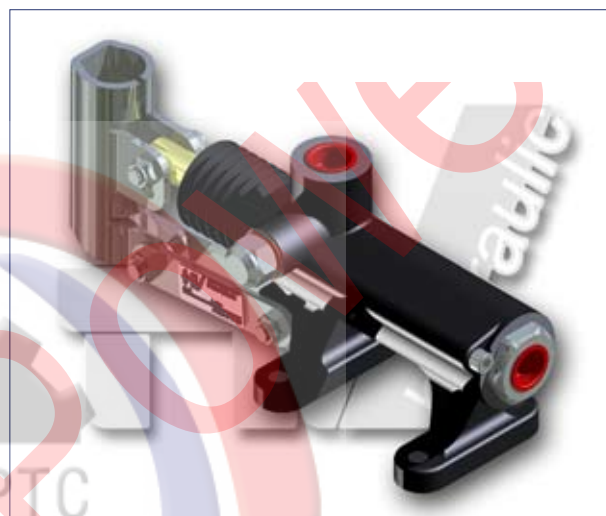
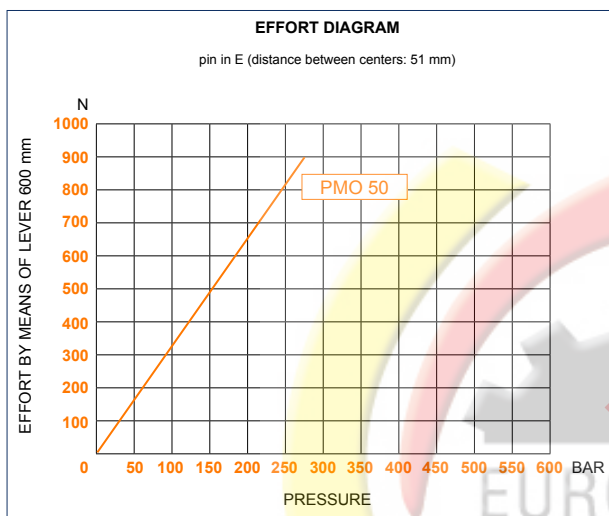


PMO 50 byB-e-s

without release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

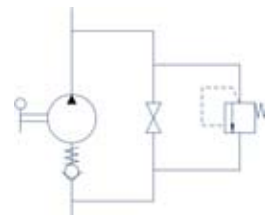
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
50	-	-	-	38	37	43,825	220	280	3,400	6077.0009	6077.0036	

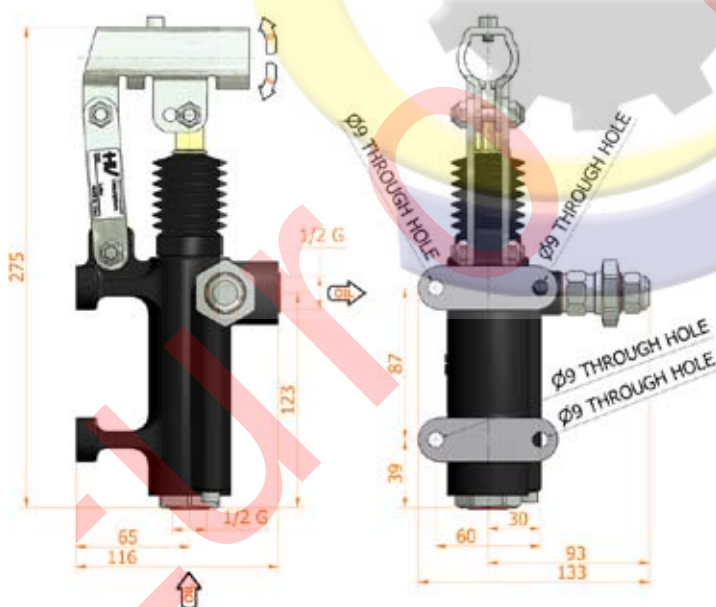
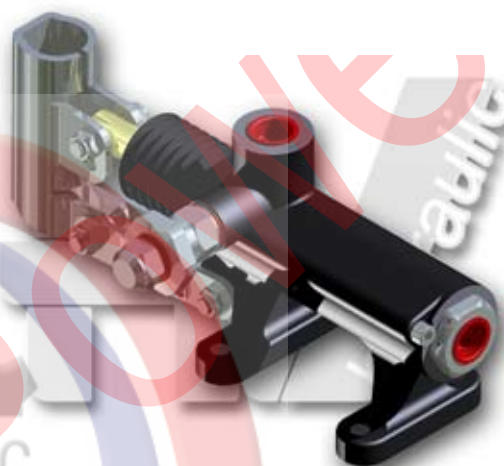
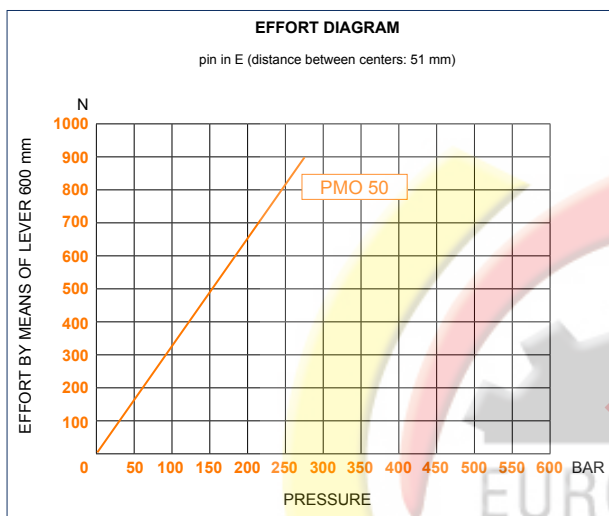


PMO 50 byB-s

with release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to wall



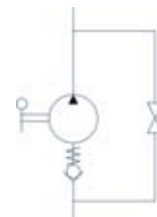
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Pressure relief valve standard setting: **100 bar**

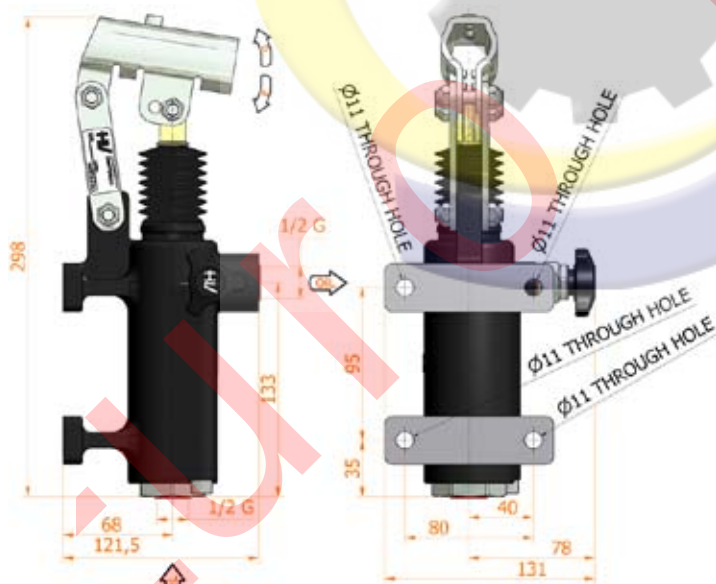
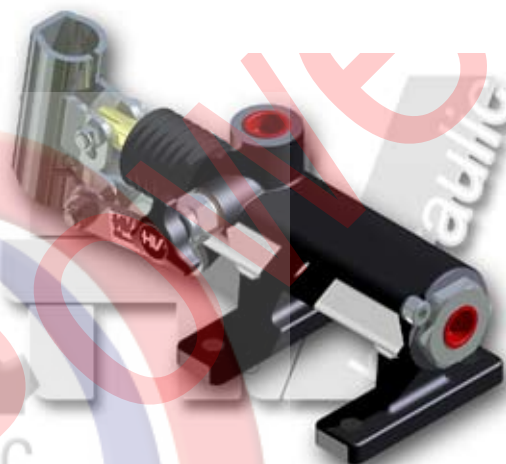
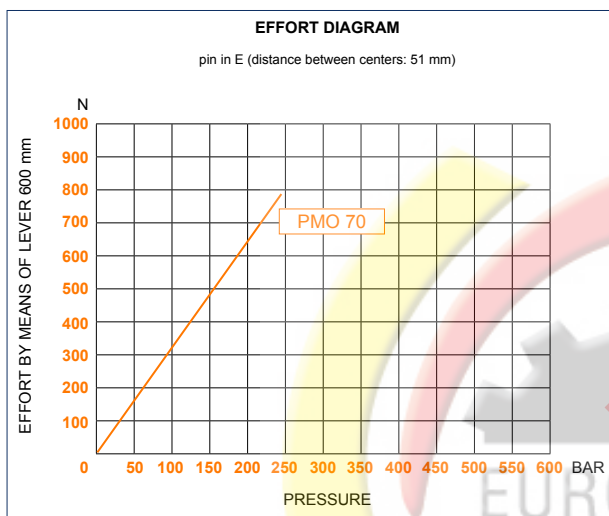
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
50	-	-	-	38	37	43,825	220	280	3,400	6077.0010	6077.0037	

PMO 70 s

with release hand knob



double acting hand pump for single acting cylinder
for fixing to wall



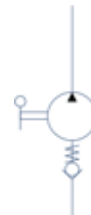
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

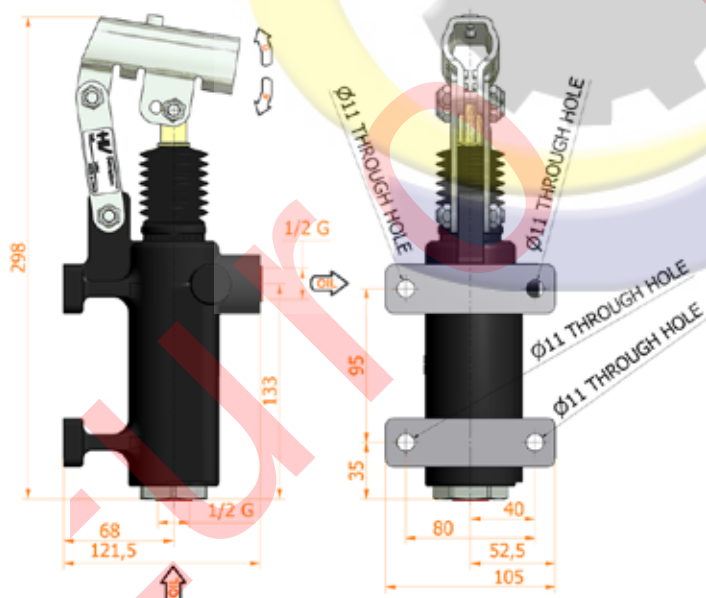
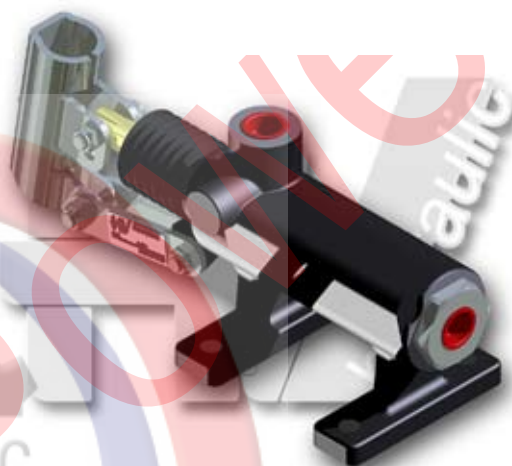
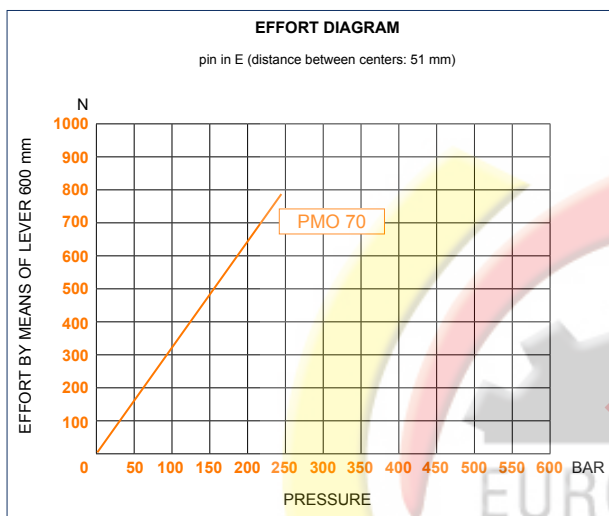
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
70	-	-	-	45	40	70,233	180	230	5,100	6079.0005	6079.0032	

PMO 70 e-s

without release hand knob



double acting hand pump for single acting cylinder
for fixing to wall



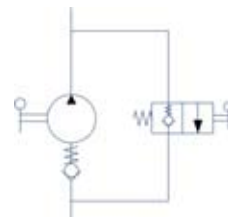
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

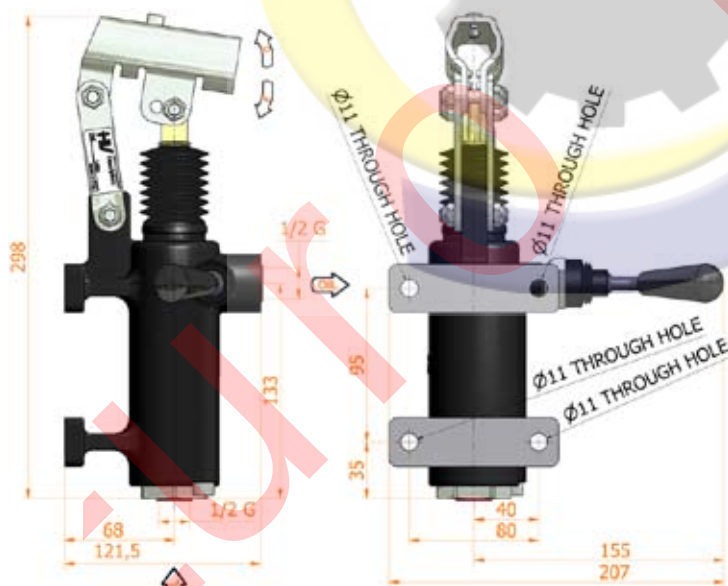
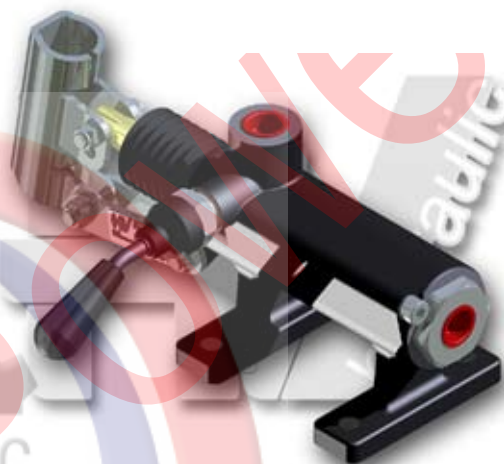
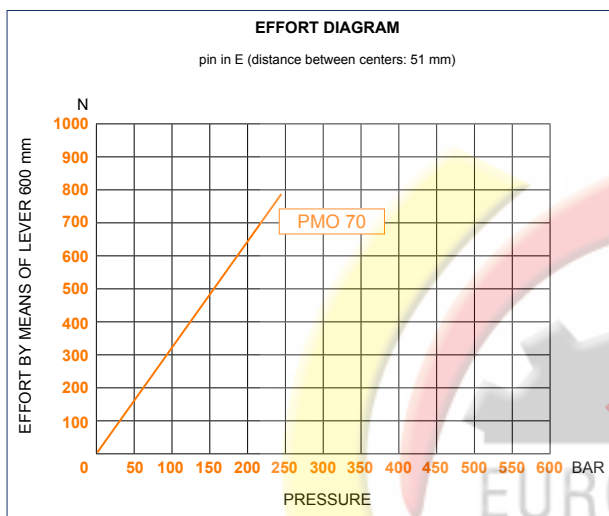
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
70	-	-	-	45	40	70,233	180	230	5,100	6079.0006	6079.0033	

PMO 70 m-s

with normally closed manipulator



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

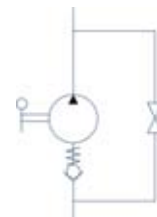
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
70	-	-	-	45	40	70,233	180	230	5,100	6079.0007	6079.0034	

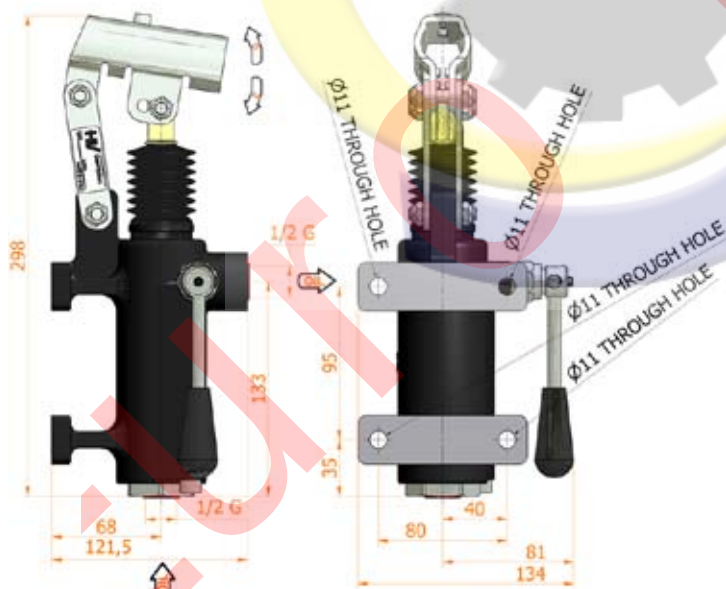
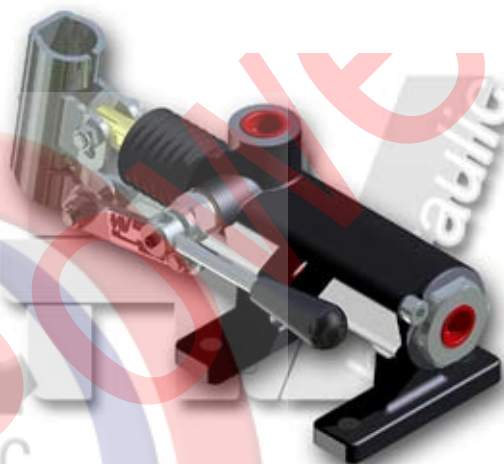
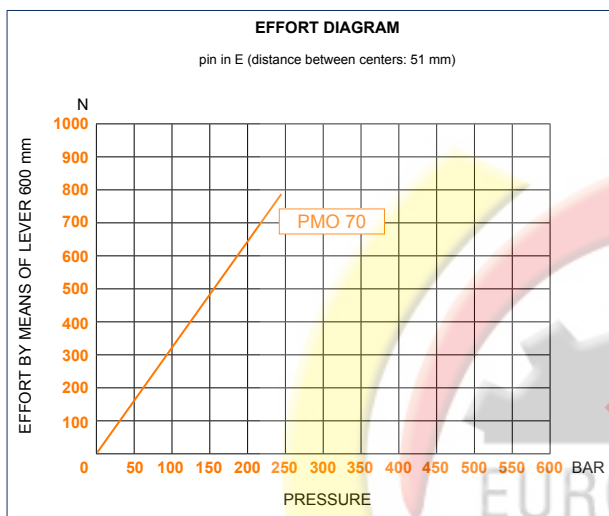


PMO 70 L-s

with release lever



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

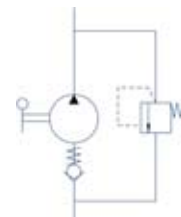
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour black

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
70	-	-	-	45	40	70,233	180	230	5,100	6079.0008	6079.0035	

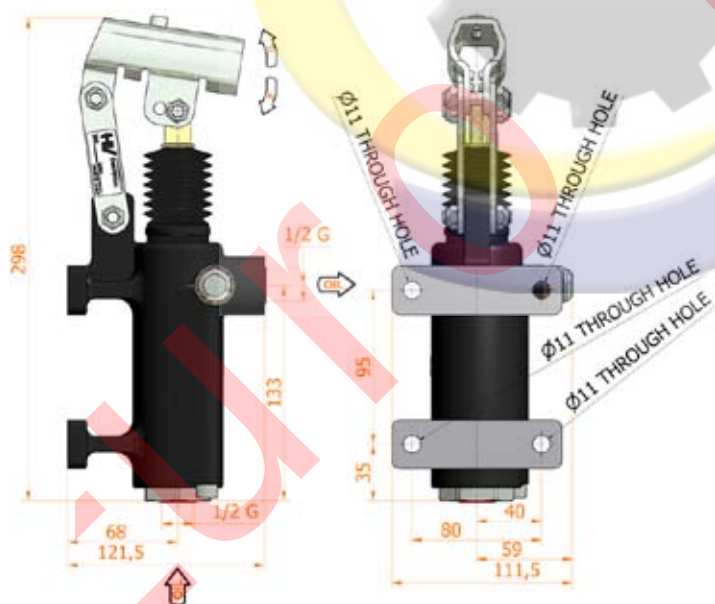
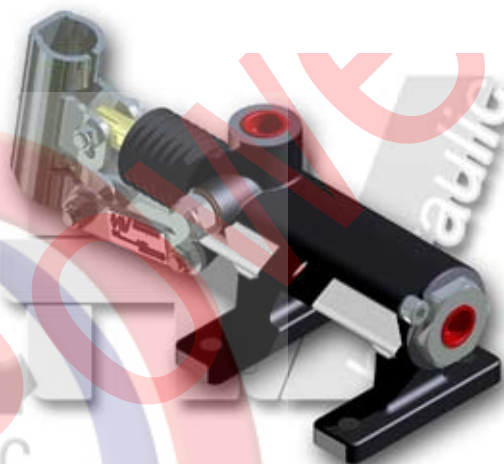
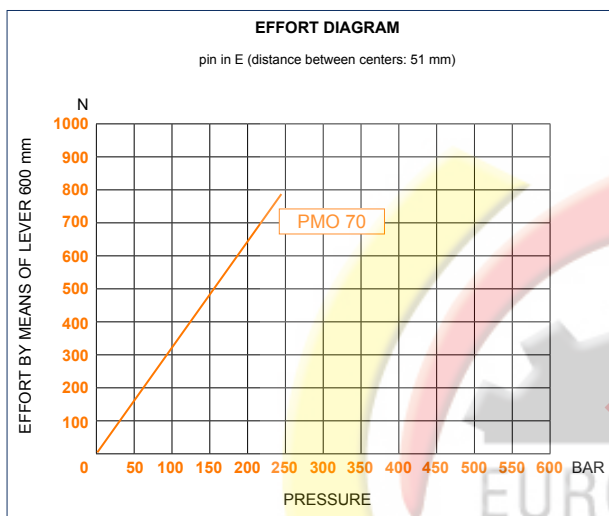


PMO 70 byB-e-s

without release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to wall



Specifications:

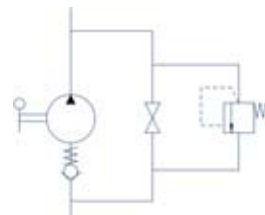
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
70	-	-	-	45	40	70,233	180	230	5,100	6079.0009	6079.0036	

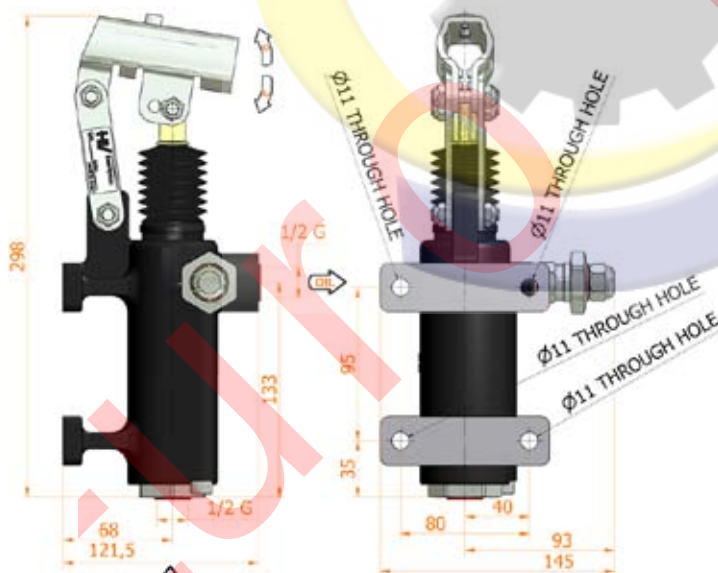
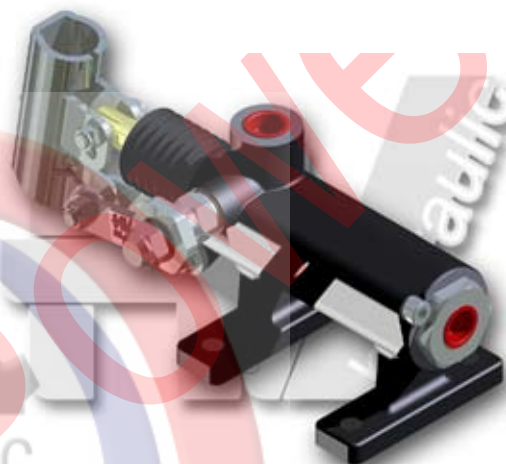
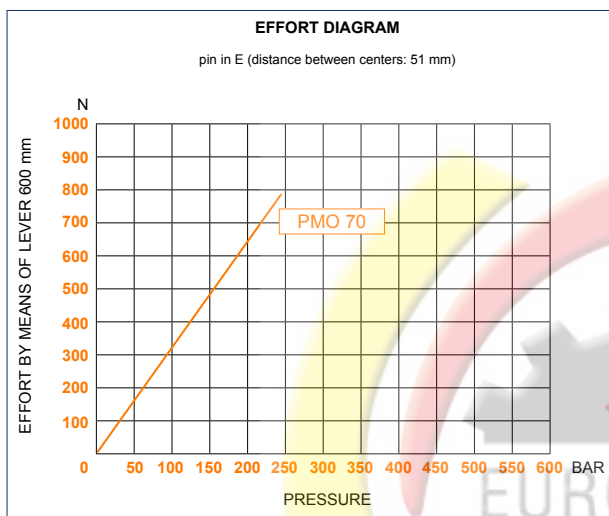


PMO 70 byB-s

with release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to wall



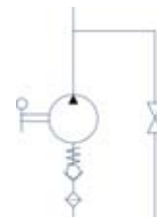
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Pressure relief valve standard setting: **100 bar**

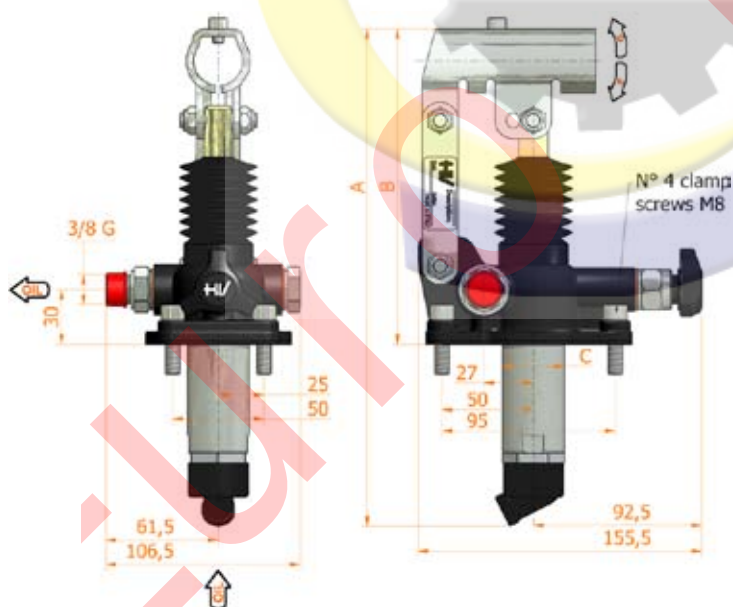
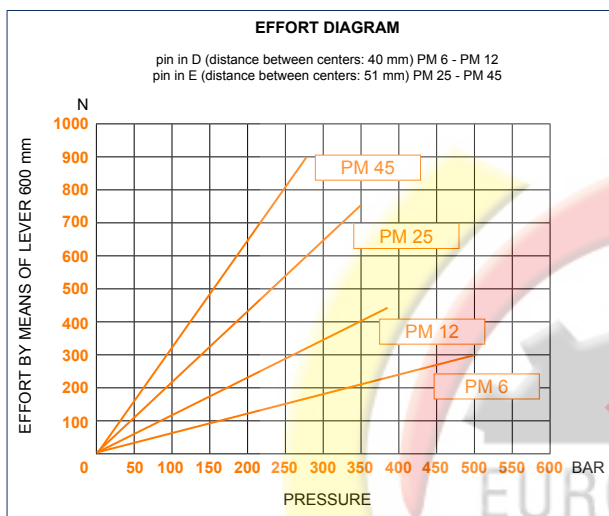
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
70	-	-	-	45	40	70,233	180	230	5,100	6079.0010	6079.0037	

PM 6-12-25-45 s

with release hand knob



double acting hand pump for single acting cylinder
for fixing to tank

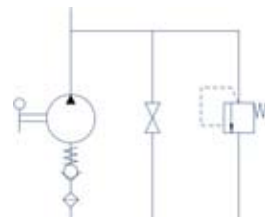

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

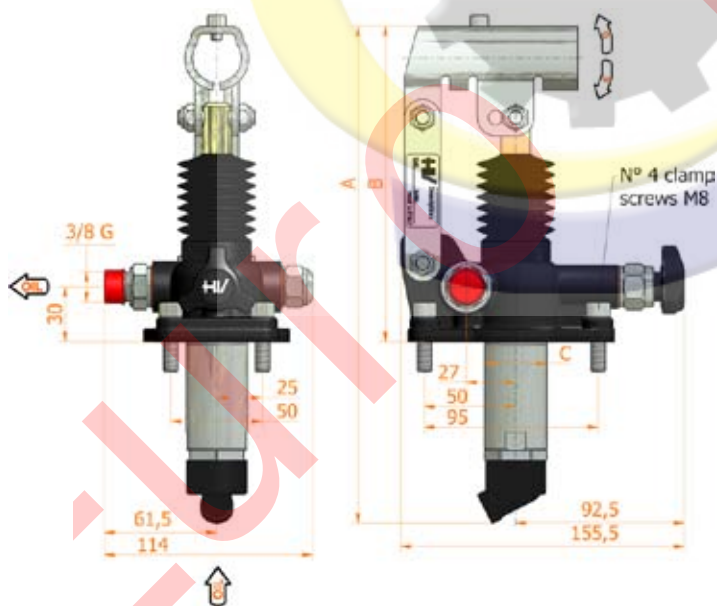
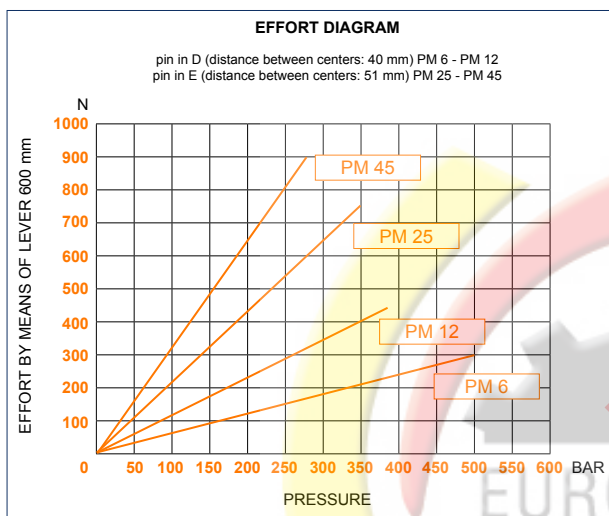
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0108	6049.0116	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0108	6050.0116	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0108	6051.0116	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0108	6052.0116	

PM 6-12-25-45 byB-s

with release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to tank


Specifications:

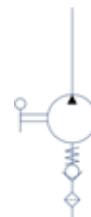
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0109	6049.0117	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0109	6050.0117	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0109	6051.0117	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0109	6052.0117	

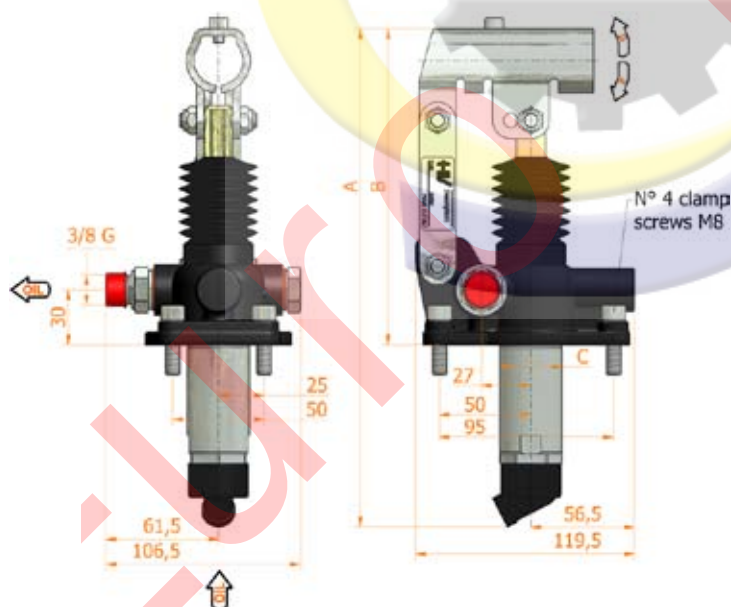
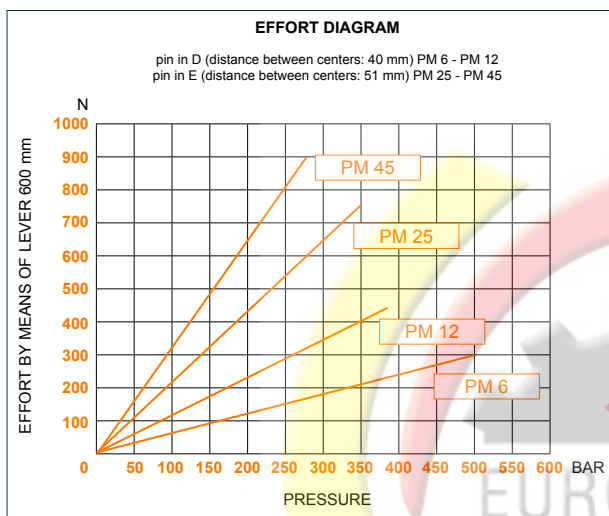


PM 6-12-25-45 e-s

without release hand knob



double acting hand pump for single acting cylinder
for fixing to tank


Specifications:

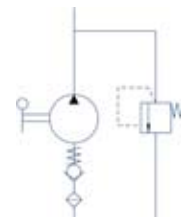
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0110	6049.0118	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0110	6050.0118	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0110	6051.0118	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0110	6052.0118	

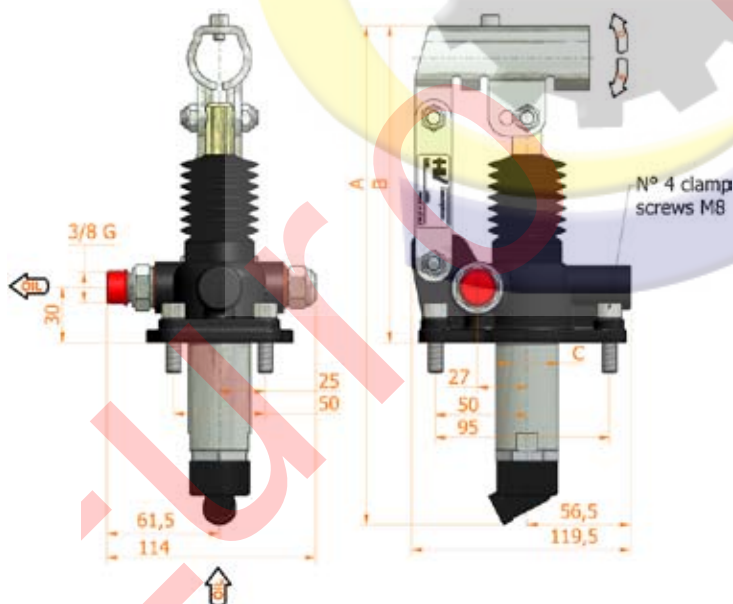
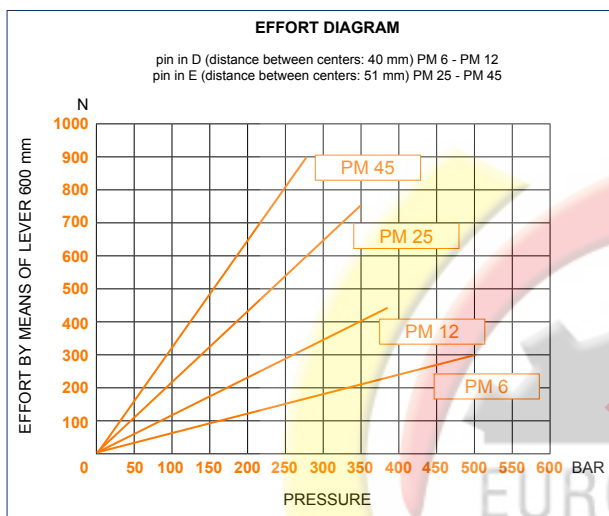


PM 6-12-25-45 byB-e-s

without release hand knob
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to tank

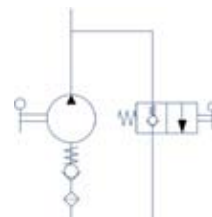

Specifications:

- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

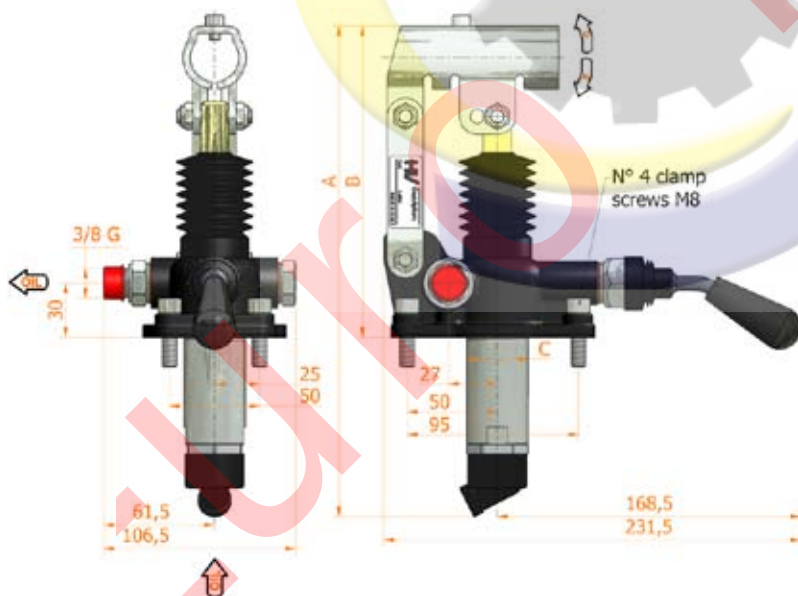
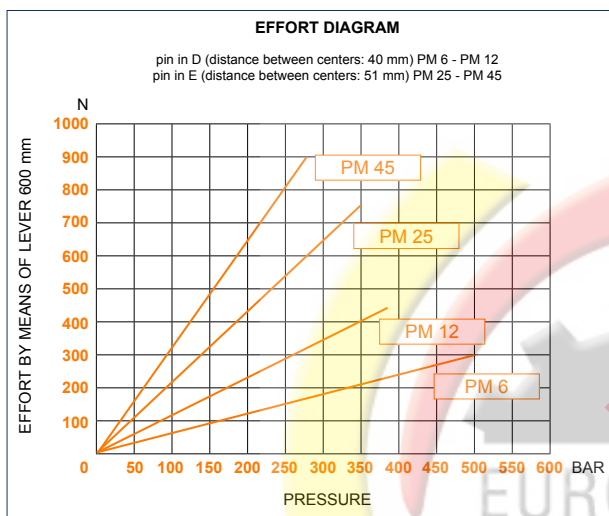
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0111	6049.0119	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0111	6050.0119	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0111	6051.0119	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0111	6052.0119	

PM 6-12-25-45 m-s

with normally closed manipulator



double acting hand pump for single acting cylinder
for fixing to tank

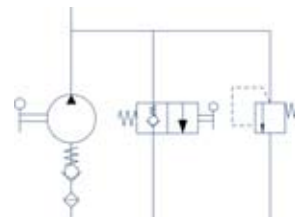

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

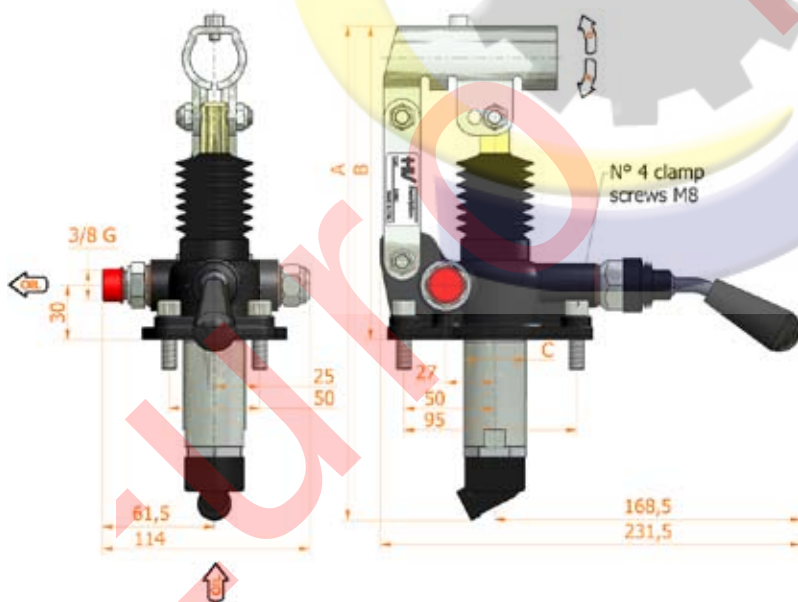
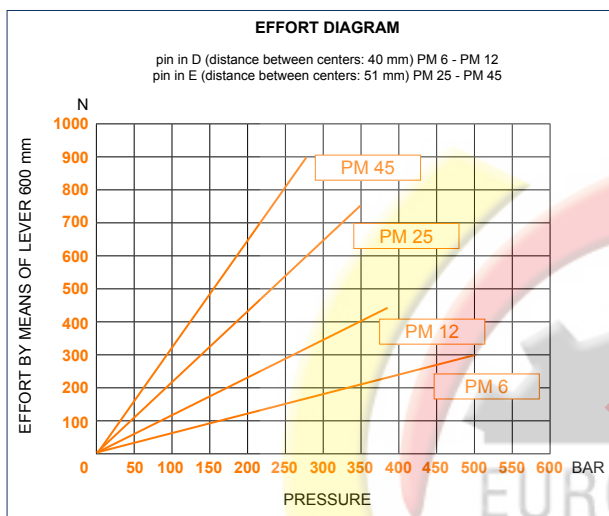
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0112	6049.0120	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0112	6050.0120	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0112	6051.0120	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0112	6052.0120	

PM 6-12-25-45 byB-m-s

with normally closed manipulator
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to tank

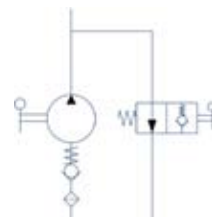

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

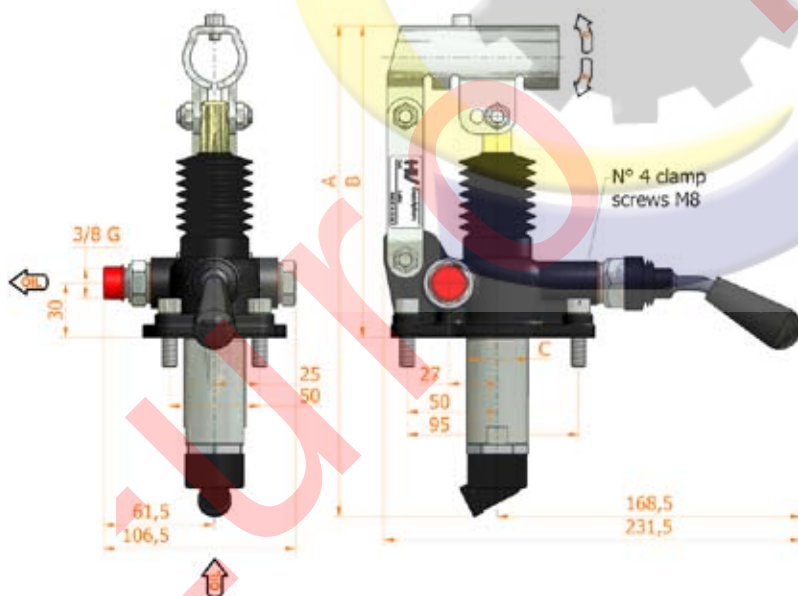
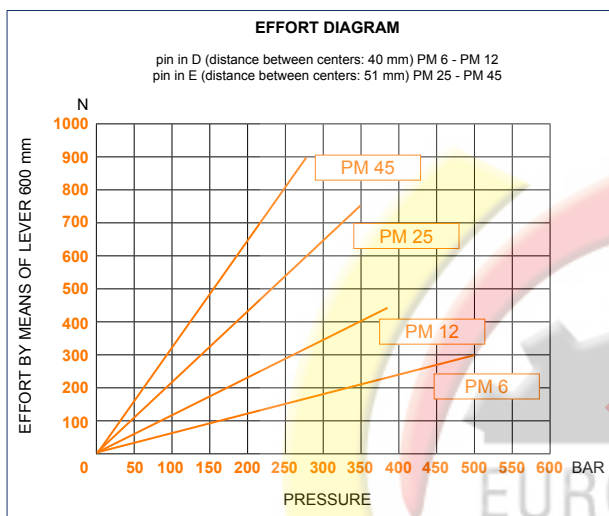
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0113	6049.0121	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0113	6050.0121	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0113	6051.0121	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0113	6052.0121	

PM 6-12-25-45 mna-s

with normally open manipulator



double acting hand pump for single acting cylinder
for fixing to tank

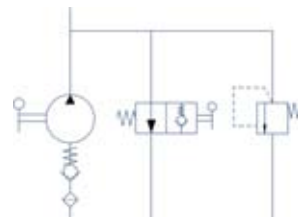

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

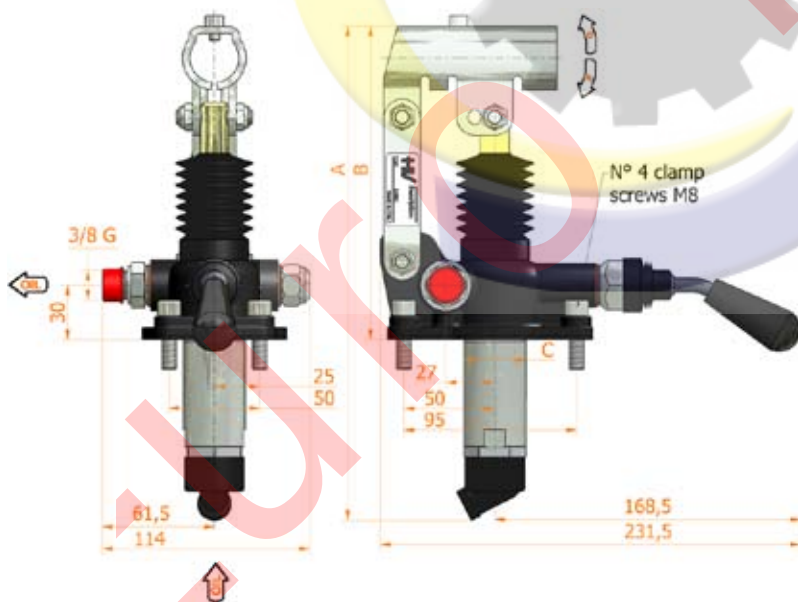
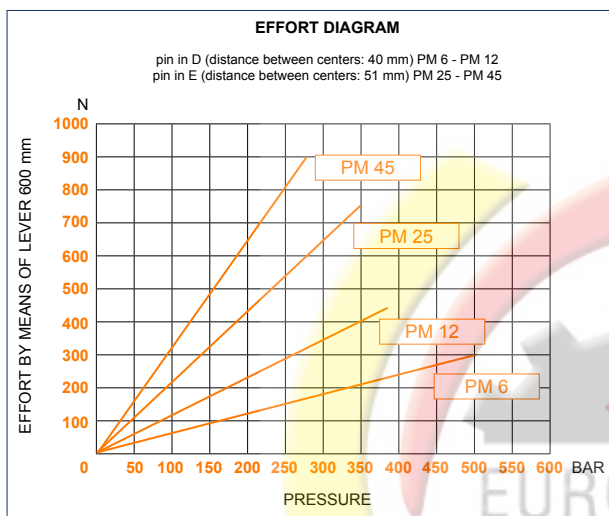
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0139	6049.0140	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0139	6050.0140	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0139	6051.0140	
45	283	172	40	45	33	44,532	220	208	3,000	6052.0139	6052.0140	

PM 6-12-25-45 byB-mna-s

with normally open manipulator
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to tank

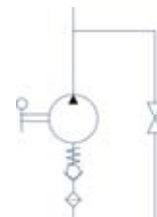

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

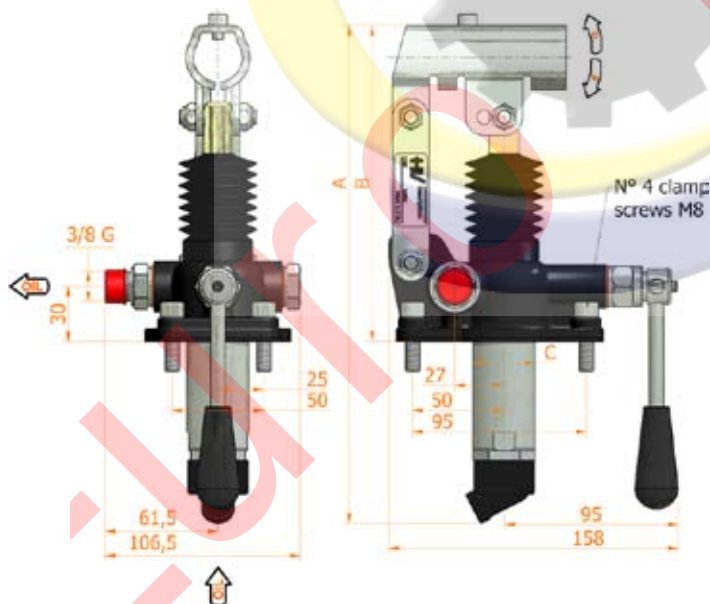
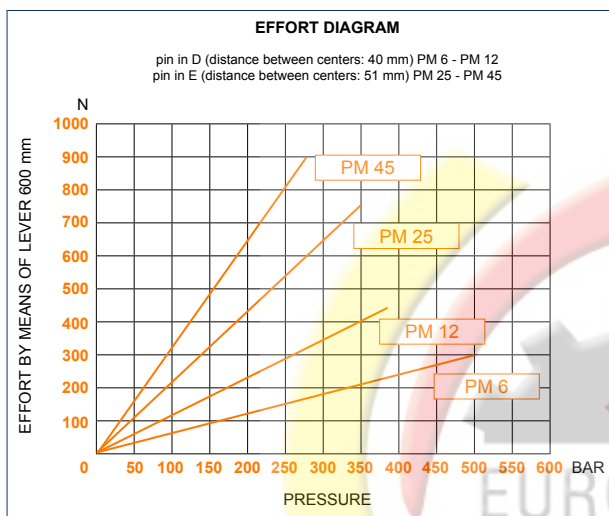
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0141	6049.0142	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0141	6050.0142	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0141	6051.0142	
45	283	172	40	45	33	44,532	220	208	3,000	6052.0141	6052.0142	

PM 6-12-25-45 L-s

with release lever



double acting hand pump for single acting cylinder
for fixing to tank


Specifications:

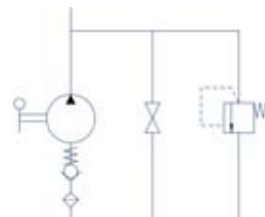
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0114	6049.0122	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0114	6050.0122	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0114	6051.0122	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0114	6052.0122	

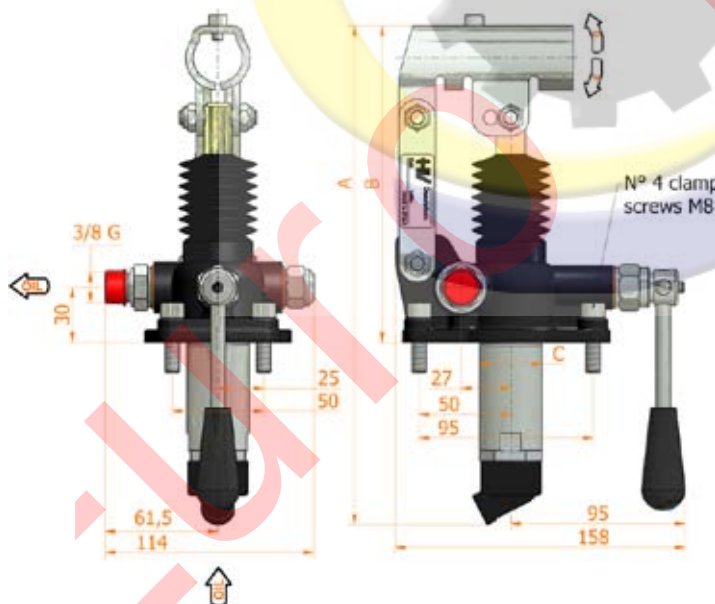
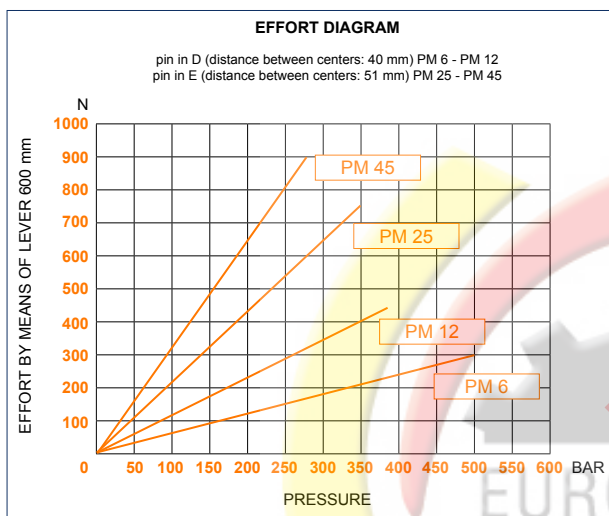


PM 6-12-25-45 byB-L-s

with release lever
with pressure relief valve



double acting hand pump for single acting cylinder
for fixing to tank


Specifications:

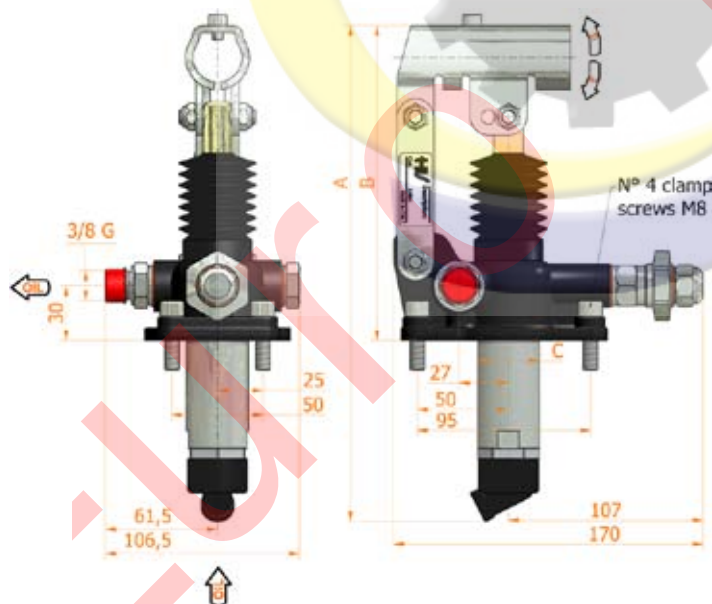
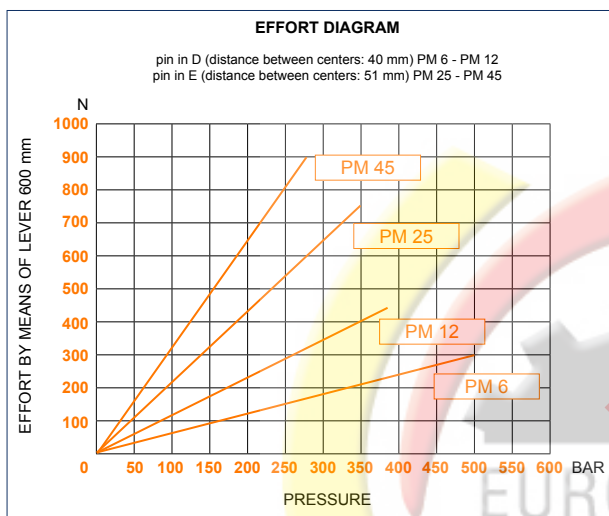
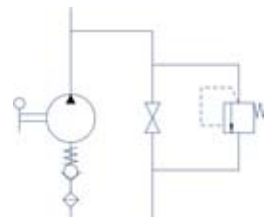
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0115	6049.0123	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0115	6050.0123	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0115	6051.0123	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0115	6052.0123	

PM 6-12-25-45 byC-s

with release lever
with pressure relief valve

double acting hand pump for single acting cylinder
for fixing to tank


Specifications:

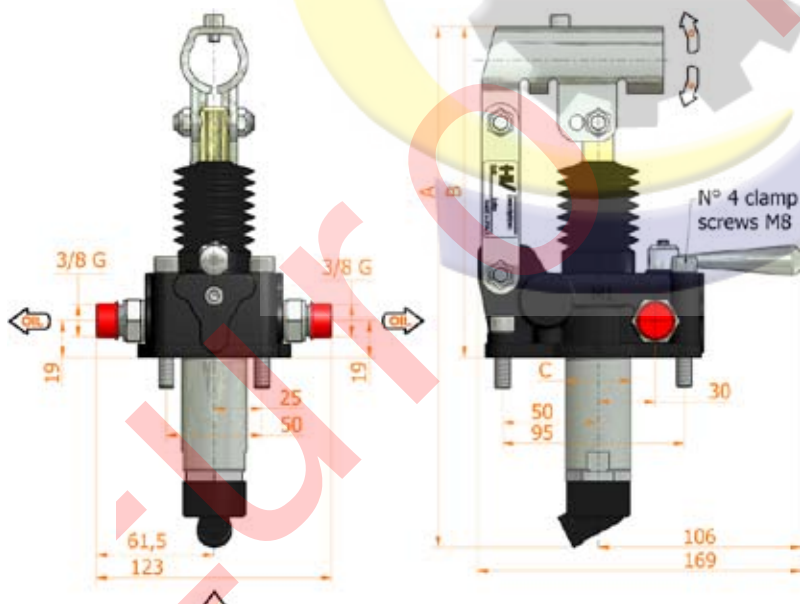
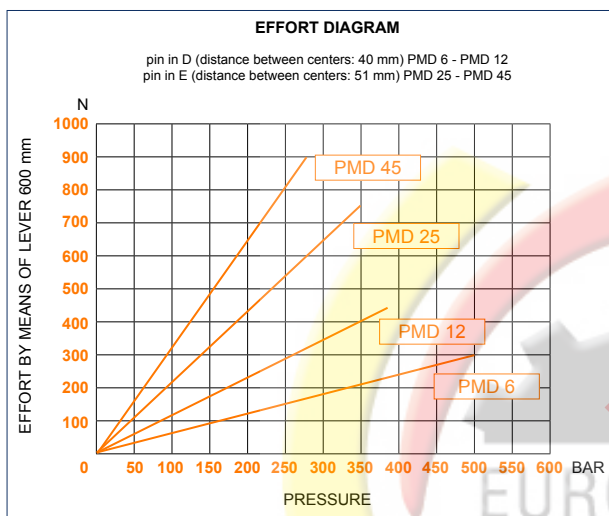
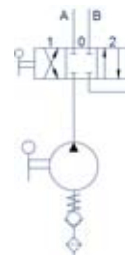
- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	2,900	6049.0143	6049.0144	
12	253	166	34	26	31	12,095	320	380	2,900	6050.0143	6050.0144	
25	273	172	34	30	30	25,280	280	350	2,950	6051.0143	6051.0144	
45	283	172	40	45	33	44,532	220	280	3,000	6052.0143	6052.0144	

PMD 6-12-25-45 s

with 4/3 flow divider closed centre

double acting hand pump for a double acting cylinder
for fixing to tank


Specifications:

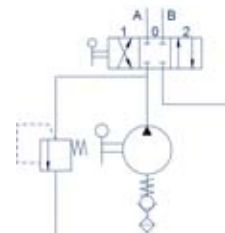
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0018	6054.0045	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0018	6055.0045	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0018	6056.0045	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0018	6057.0045	

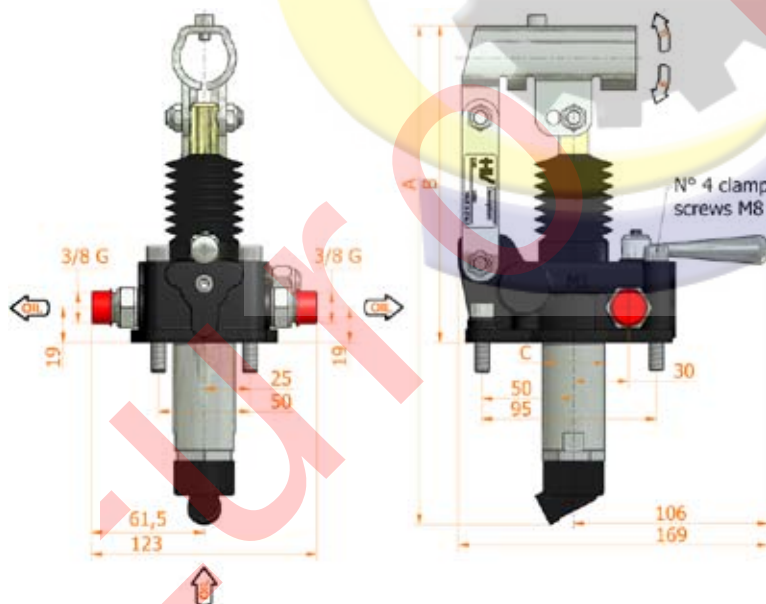
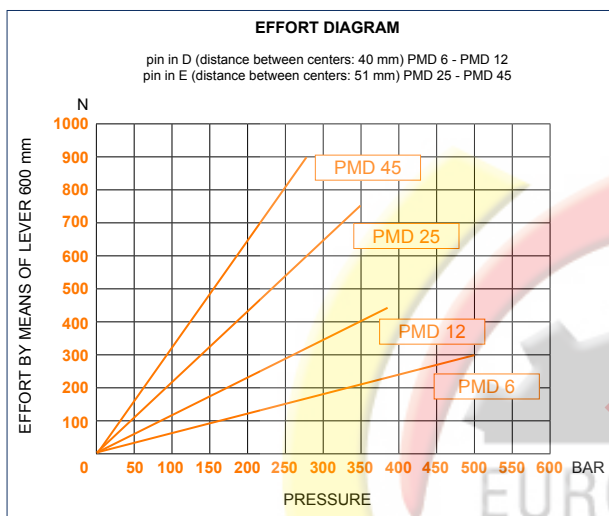


PMD 6-12-25-45 byB-s

with 4/3 flow divider closed centre
with pressure relief valve



double acting hand pump for a double acting cylinder
for fixing to tank

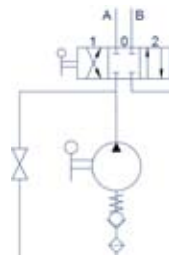

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

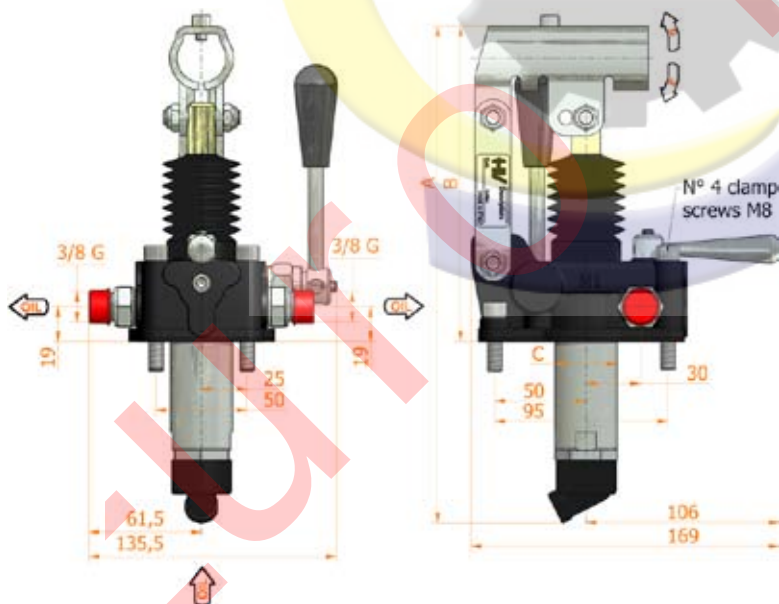
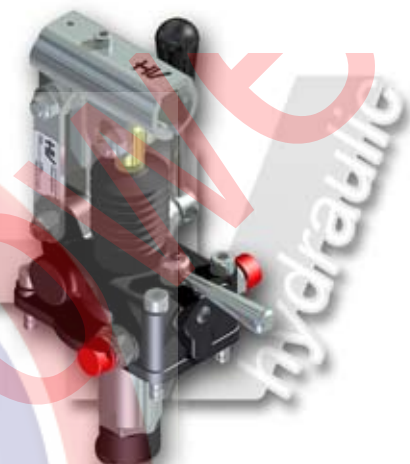
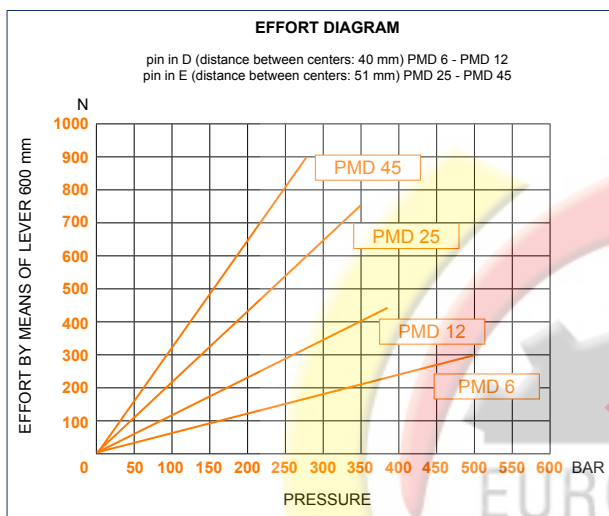
DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0019	6054.0046	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0019	6055.0046	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0019	6056.0046	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0019	6057.0046	

PMD 6-12-25-45 L-s

with 4/3 flow divider
with release lever



double acting hand pump for a double acting cylinder
for fixing to tank


Specifications:

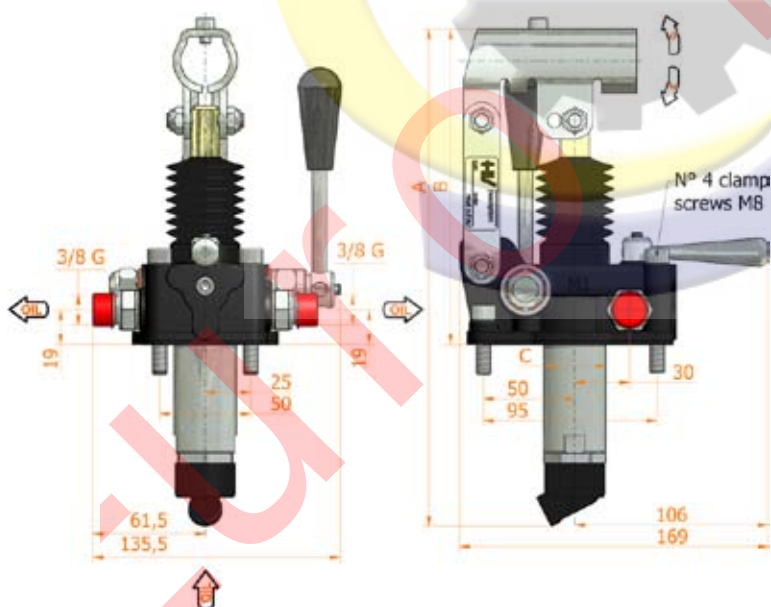
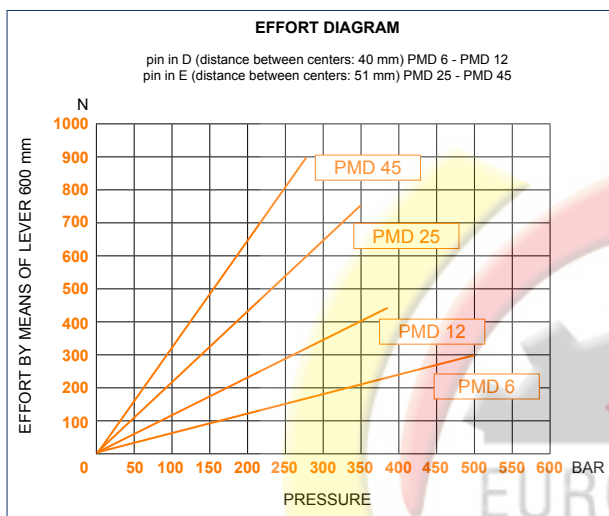
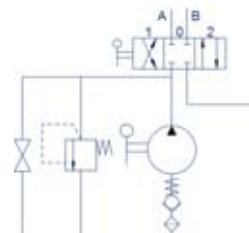
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0020	6054.0047	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0020	6055.0047	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0020	6056.0047	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0020	6057.0047	

PMD 6-12-25-45 byA-L-s

with 4/3 flow divider closed centre
with release lever
with pressure relief valve

double acting hand pump for a double acting cylinder
for fixing to tank


Specifications:

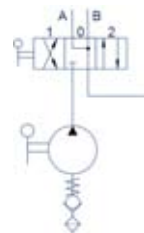
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0021	6054.0048	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0021	6055.0048	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0021	6056.0048	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0021	6057.0048	

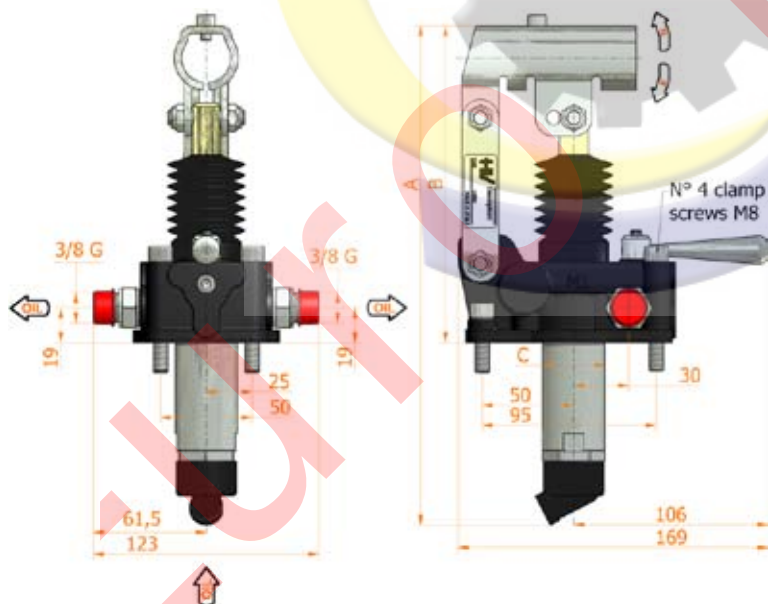
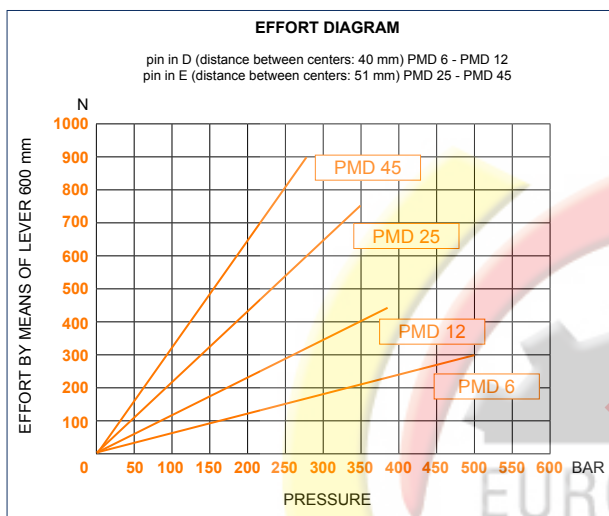


PMD 6-12-25-45 dna-s

with 4/3 flow divider open centre



double acting hand pump for a double acting cylinder
for fixing to tank



Specifications:

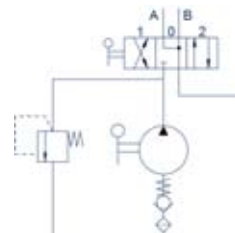
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0023	6054.0050	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0023	6055.0050	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0023	6056.0050	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0023	6057.0050	

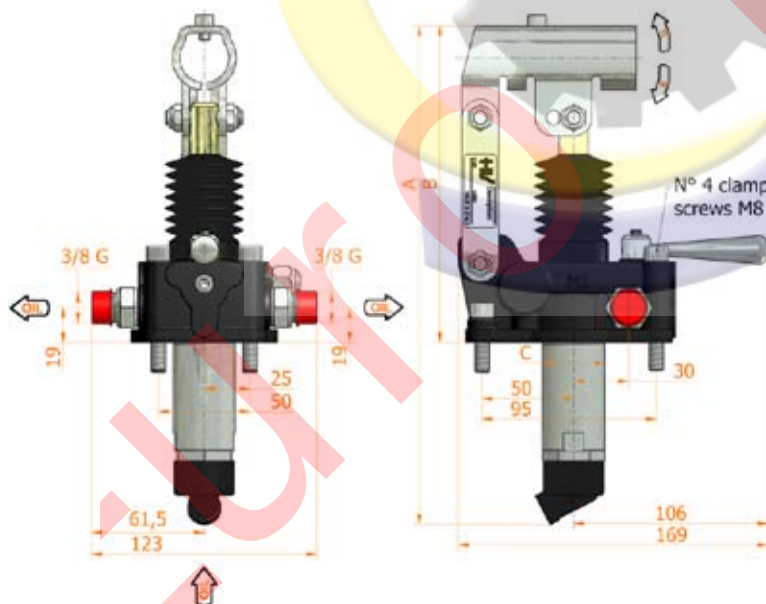
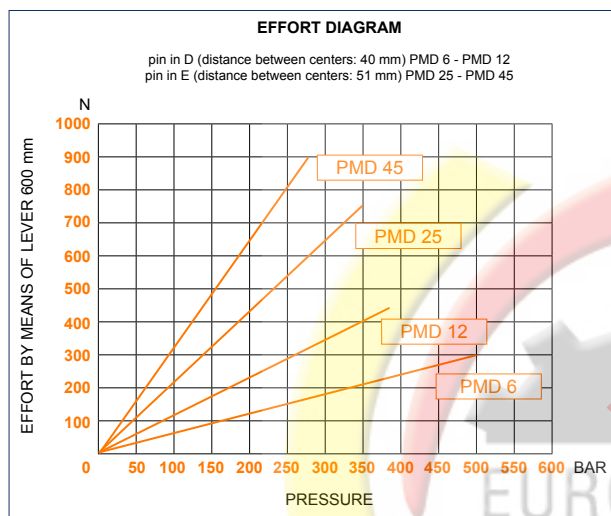


PMD 6-12-25-45 dna-byB-s

with 4/3 flow divider open centre
with pressure relief valve



double acting hand pump for a double acting cylinder
for fixing to tank


Specifications:

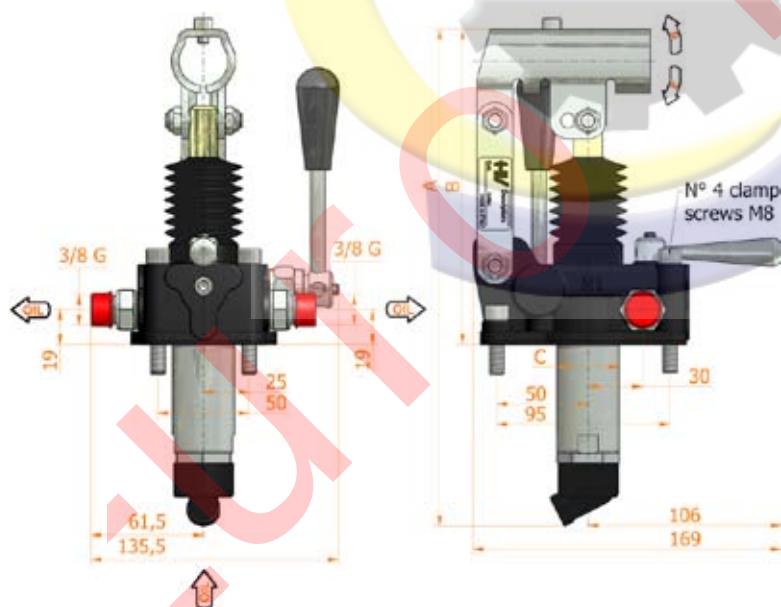
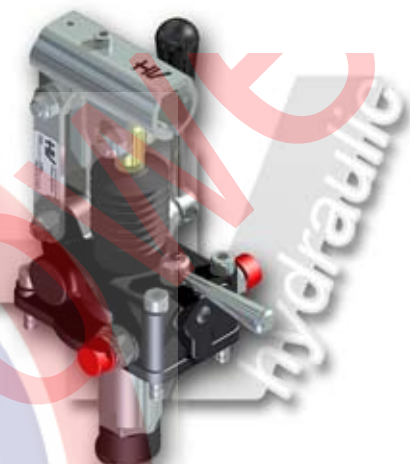
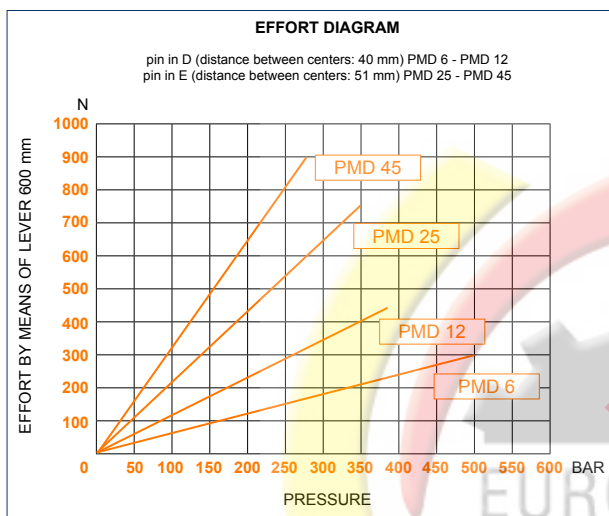
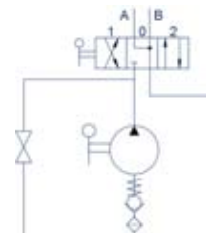
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0024	6054.0051	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0024	6055.0051	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0024	6056.0051	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0024	6057.0051	

PMD 6-12-25-45 dna-L-s

with 4/3 flow divider open centre
with release lever

double acting hand pump for a double acting cylinder
for fixing to tank


Specifications:

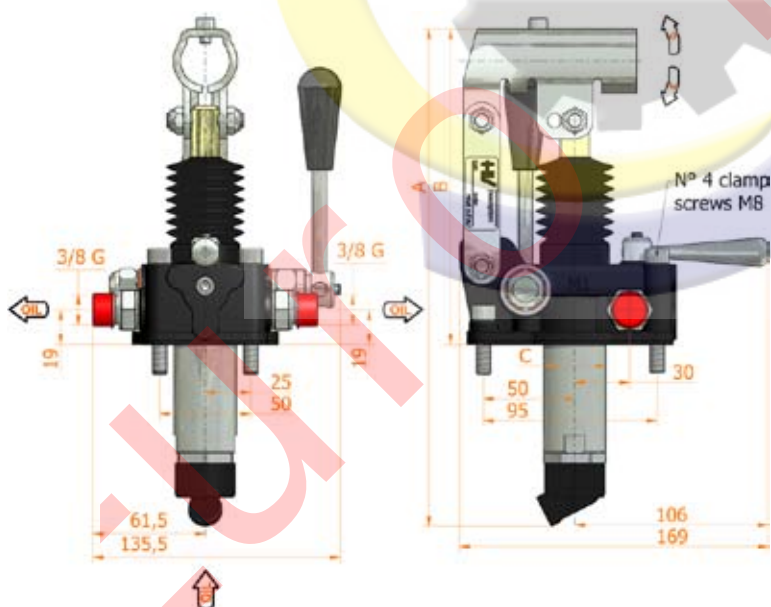
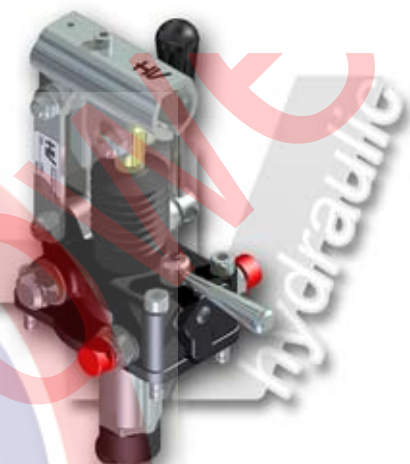
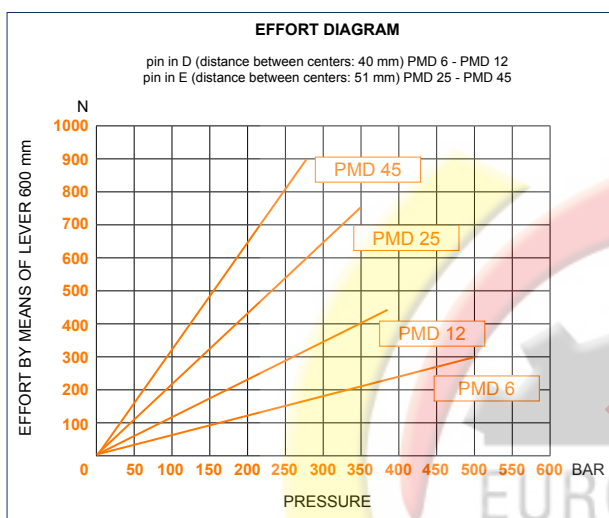
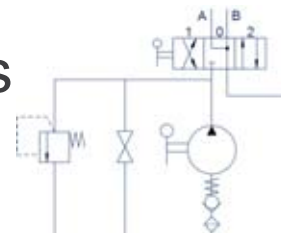
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0025	6054.0052	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0025	6055.0052	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0025	6056.0052	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0025	6057.0052	

PMD 6-12-25-45 dna-byA-L-s

with 4/3 flow divider open centre
with release lever
with pressure relief valve

double acting hand pump for a double acting cylinder
for fixing to tank



Specifications:

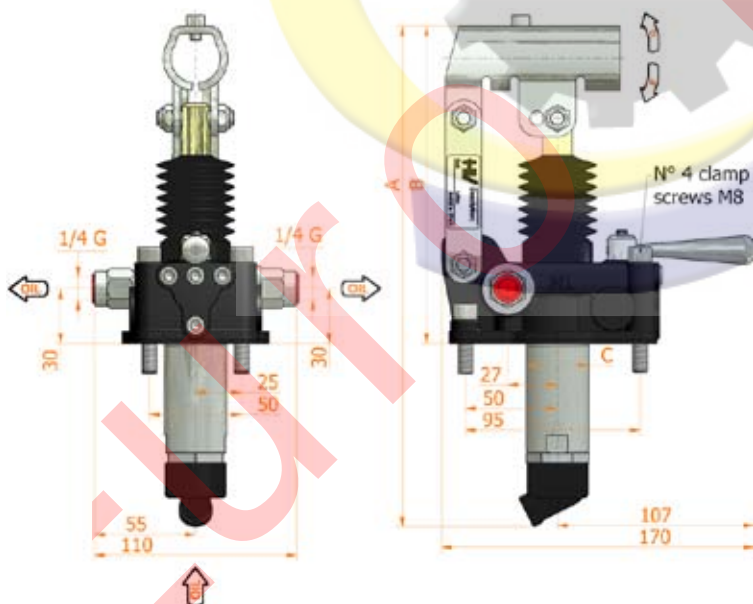
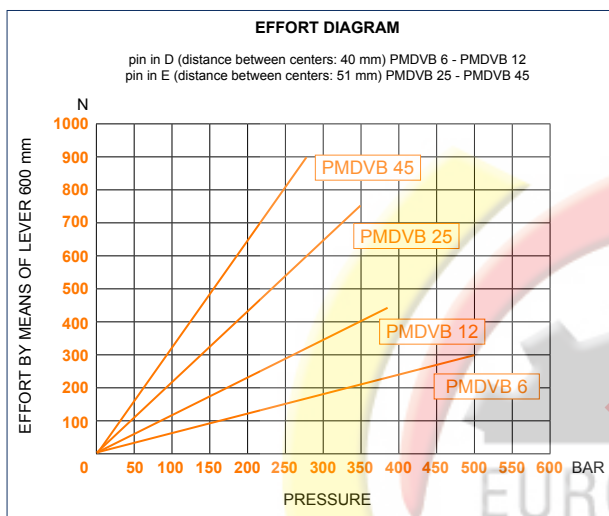
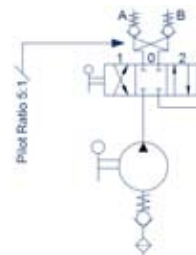
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6054.0026	6054.0053	
12	253	166	34	26	31	12,095	320	380	3,400	6055.0026	6055.0053	
25	273	172	34	30	30	25,280	280	350	3,450	6056.0026	6056.0053	
45	283	172	40	45	33	44,532	220	280	3,500	6057.0026	6057.0053	

PMDVB 6-12-25-45 s

with 4/3 flow divider
with dual pilot check valve
with brakes

double acting hand pump for a double acting cylinder
for fixing to tank



Specifications:

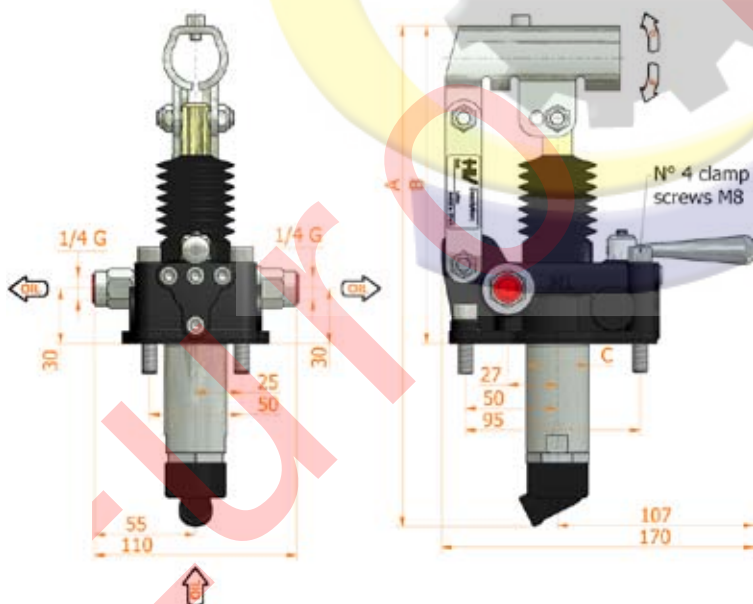
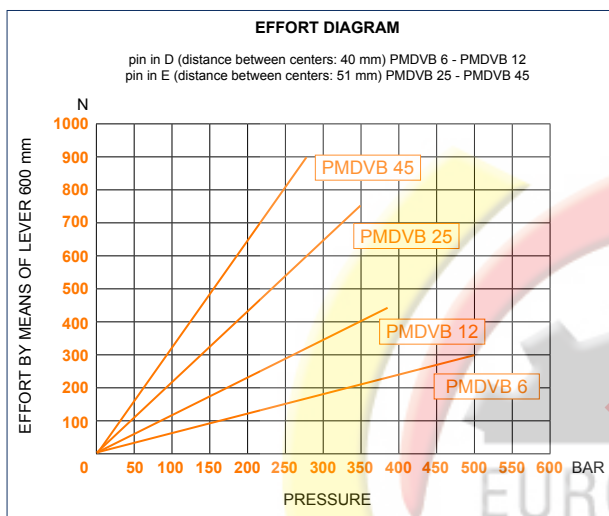
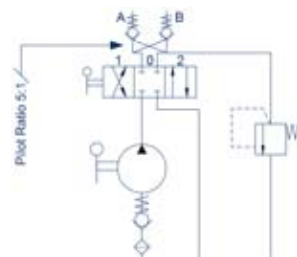
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- With hydraulic brakes to operate even with pressure **less than 50 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6059.0100	6059.0101	
12	253	166	34	26	31	12,095	320	380	3,400	6060.0100	6060.0101	
25	273	172	34	30	30	25,280	280	350	3,450	6061.0100	6061.0101	
45	283	172	40	45	33	44,532	220	280	3,500	6062.0100	6062.0101	

PMDVB 6-12-25-45 byB-s

with 4/3 flow divider
with dual pilot check valve
with brakes - with pressure relief valve

double acting hand pump for a double acting cylinder
for fixing to tank



Specifications:

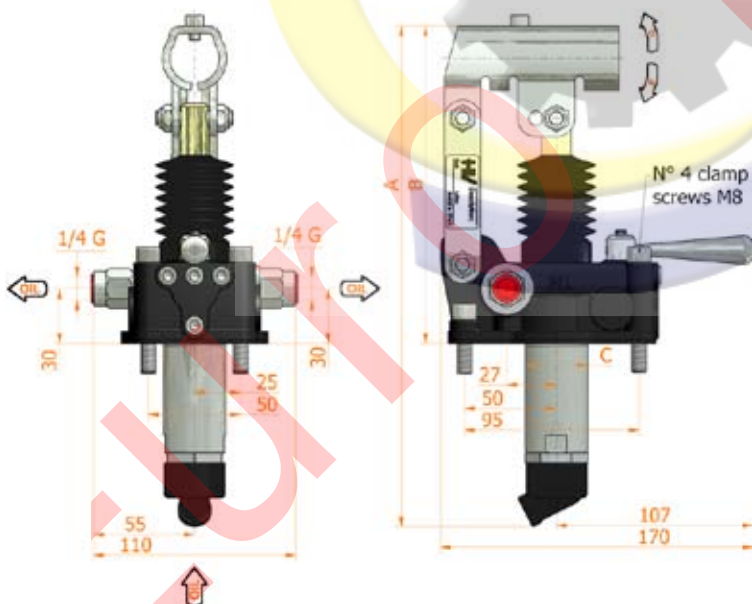
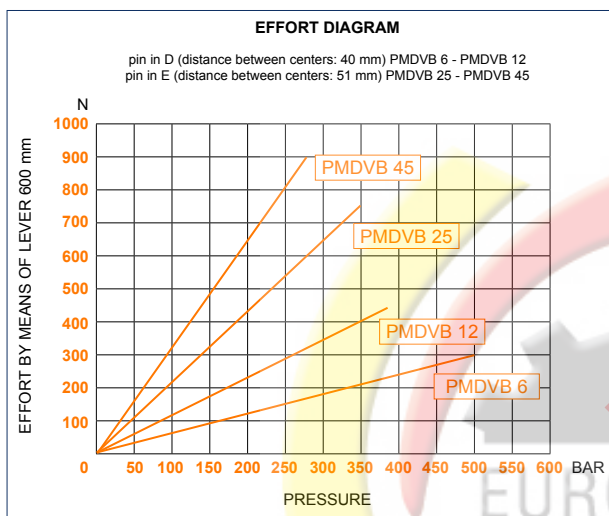
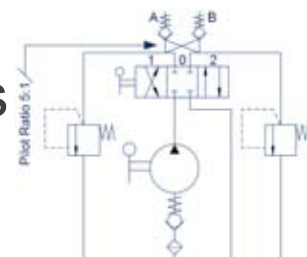
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- With hydraulic brakes to operate even with pressure **less than 50 bar**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6059.0102	6059.0103	
12	253	166	34	26	31	12,095	320	380	3,400	6060.0102	6060.0103	
25	273	172	34	30	30	25,280	280	350	3,450	6061.0102	6061.0103	
45	283	172	40	45	33	44,532	220	280	3,500	6062.0102	6062.0103	

PMDVB 6-12-25-45 byAB-s

with 4/3 flow divider
with dual pilot check valve
with brakes - with pressure relief valve

double acting hand pump for a double acting cylinder
for fixing to tank



Specifications:

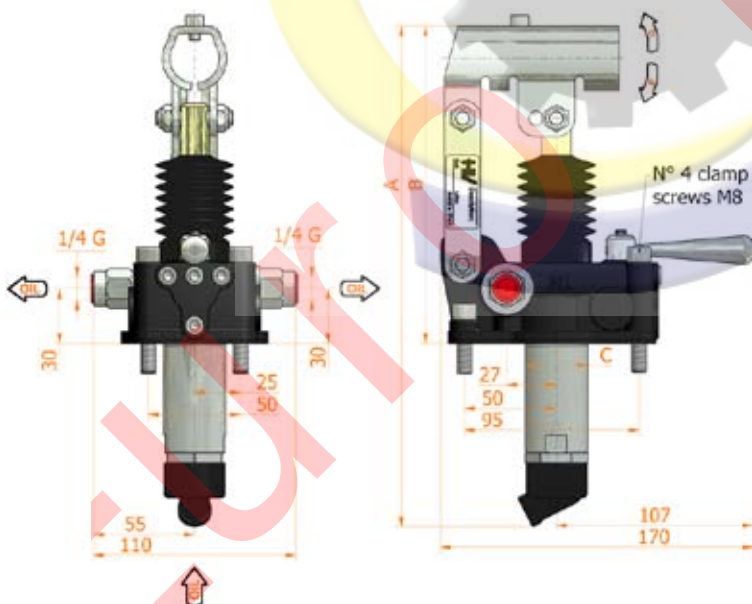
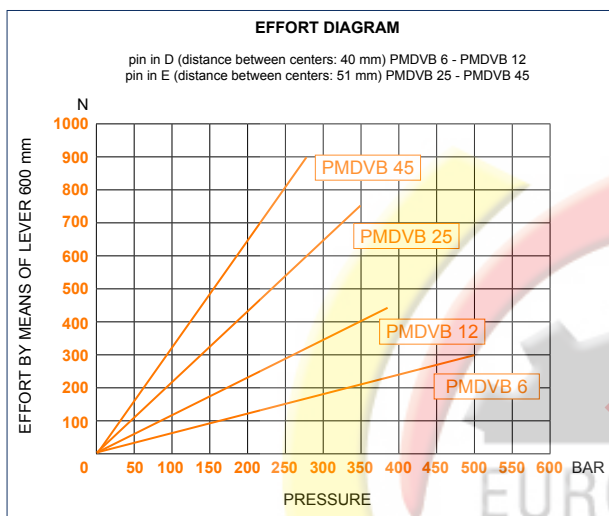
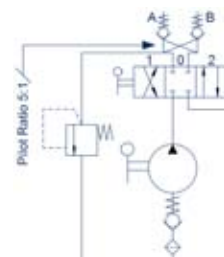
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- With hydraulic brakes to operate even with pressure **less than 50 bar**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6059.0104	6059.0105	
12	253	166	34	26	31	12,095	320	380	3,400	6060.0104	6060.0105	
25	273	172	34	30	30	25,280	280	350	3,450	6061.0104	6061.0105	
45	283	172	40	45	33	44,532	220	280	3,500	6062.0104	6062.0105	

PMDVB 6-12-25-45 byA-s

with 4/3 flow divider
with dual pilot check valve
with brakes - with pressure relief valve

double acting hand pump for a double acting cylinder
for fixing to tank



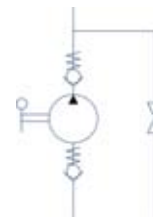
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- With hydraulic brakes to operate even with pressure **less than 50 bar**
- Pressure relief valve standard setting: **100 bar**

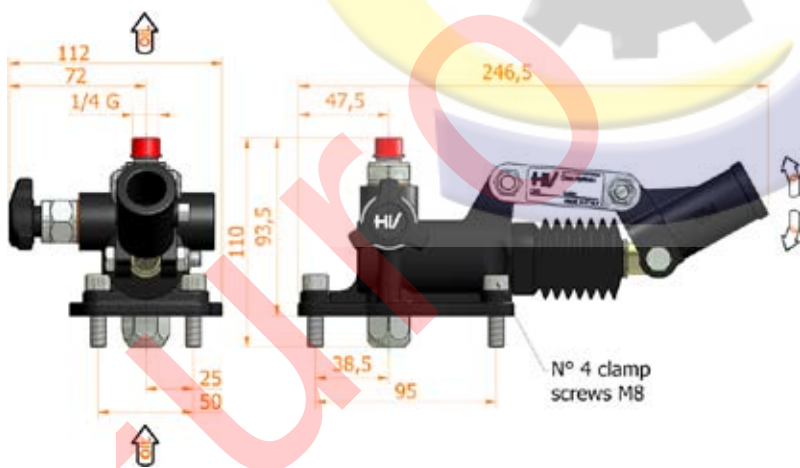
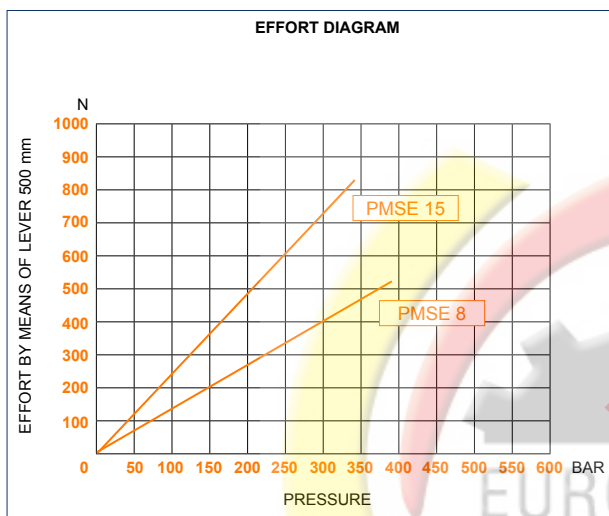
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
6	253	166	34	26	31	6,970	450	500	3,400	6059.0106	6059.0107	
12	253	166	34	26	31	12,095	320	380	3,400	6060.0106	6060.0107	
25	273	172	34	30	30	25,280	280	350	3,450	6061.0106	6061.0107	
45	283	172	40	45	33	44,532	220	280	3,500	6062.0106	6062.0107	

PMSE 8-15 s

with release hand knob



single acting hand pump for a single acting cylinder
for fixing to tank



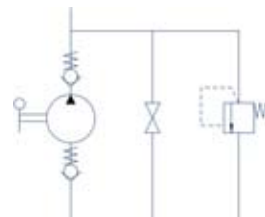
Specifications:

- Piston treated with Niploy
- Lever connection $\varnothing 27$
- Standard colour **black**
- Mounting kit and seals **included**

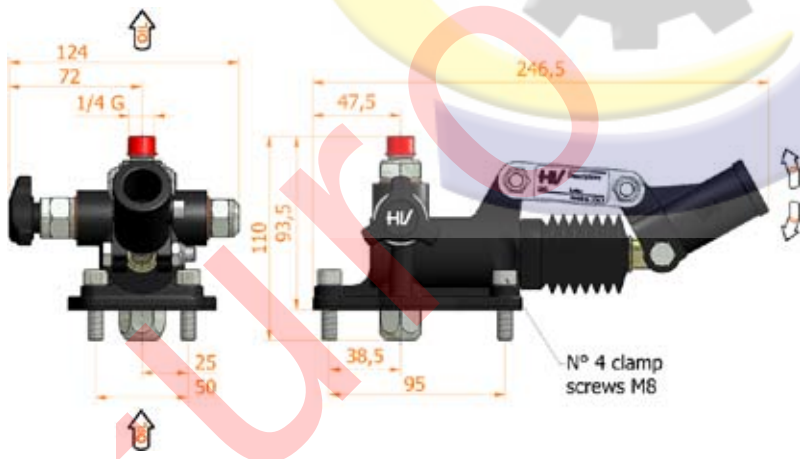
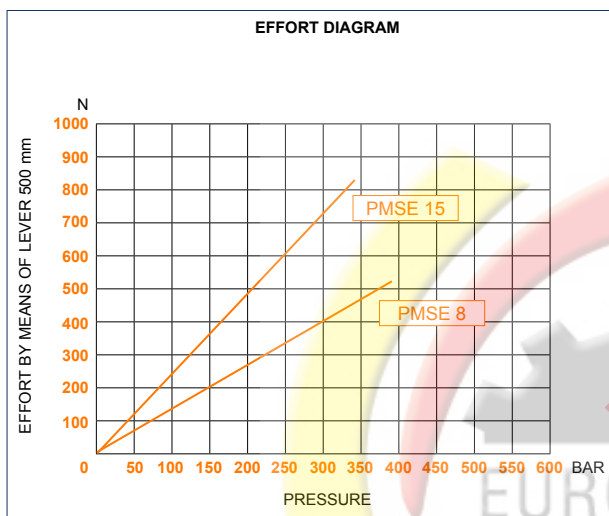
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
8	-	-	-	30	26	8,042	325	380	3,200	6065.0010	6065.0037	
15	-	-	-	30	26	15,205	285	350	3,200	6066.0010	6066.0037	

PMSE 8-15 byB-s

with release hand knob
with pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank



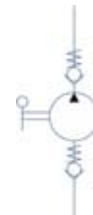
Specifications:

- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

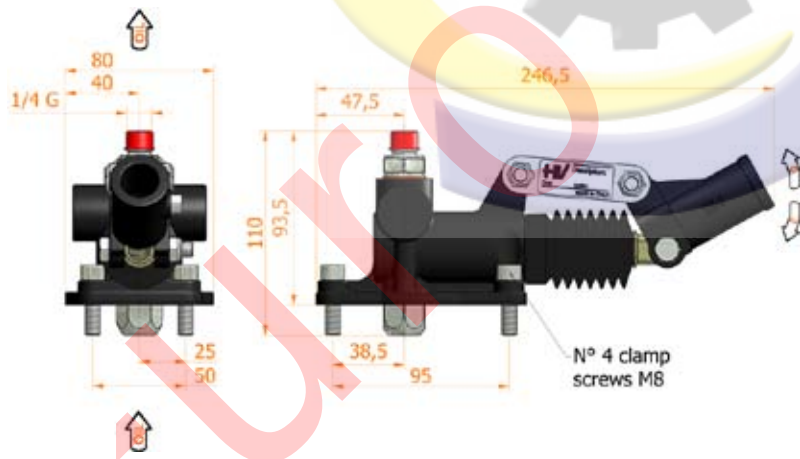
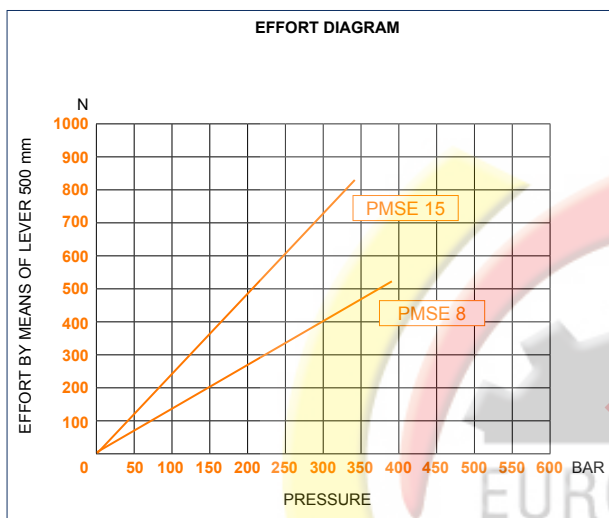
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
8	-	-	-	30	26	8,042	325	380	3,200	6065.0011	6065.0038	
15	-	-	-	30	26	15,205	285	350	3,200	6066.0011	6066.0038	

PMSE 8-15 e-s

without release hand knob



single acting hand pump for a single acting cylinder
for fixing to tank



Specifications:

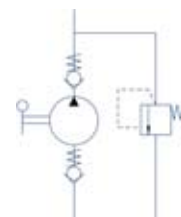
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
8	-	-	-	30	26	8,042	325	380	3,200	6065.0012	6065.0039	
15	-	-	-	30	26	15,205	285	350	3,200	6066.0012	6066.0039	

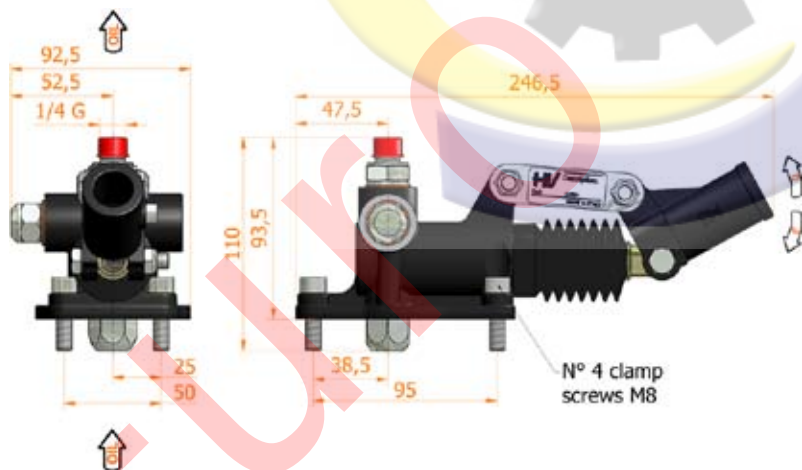
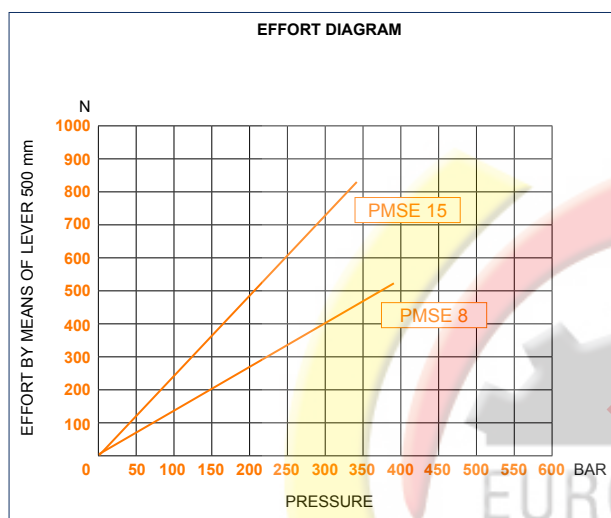


PMSE 8-15 byA-e-s

without release hand knob
with pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank


Specifications:

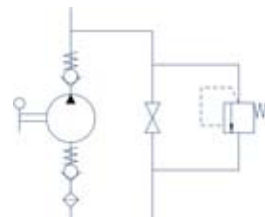
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
8	-	-	-	30	26	8,042	325	380	3,200	6065.0013	6065.0040	
15	-	-	-	30	26	15,205	285	350	3,200	6065.0013	6066.0040	
												
												
												

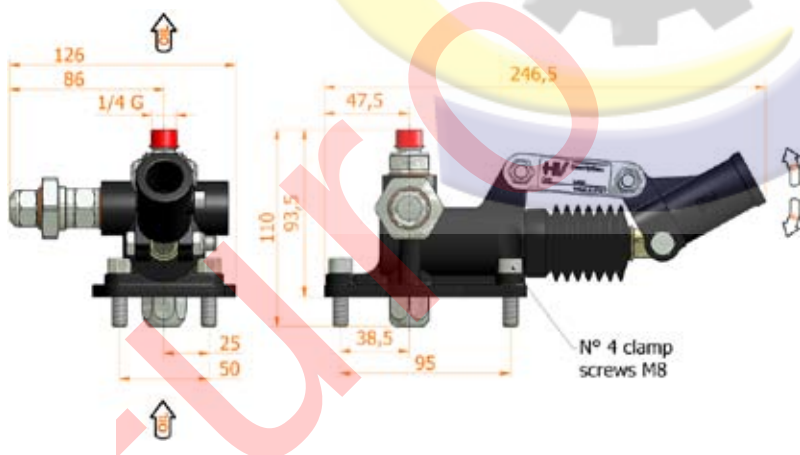
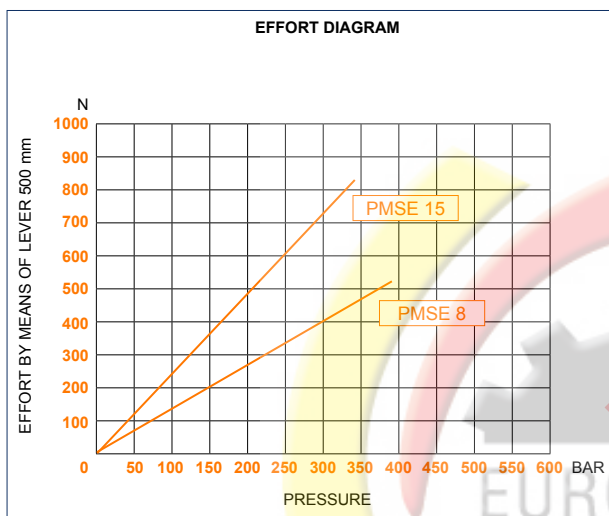


PMSE 8-15 byA-s

without release hand knob
with integrated pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank



Specifications:

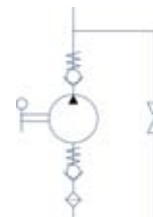
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
8	-	-	-	30	26	8,042	325	380	3,200	6065.0014	6065.0041	
15	-	-	-	30	26	15,205	285	350	3,200	6065.0014	6066.0041	
												
												
												

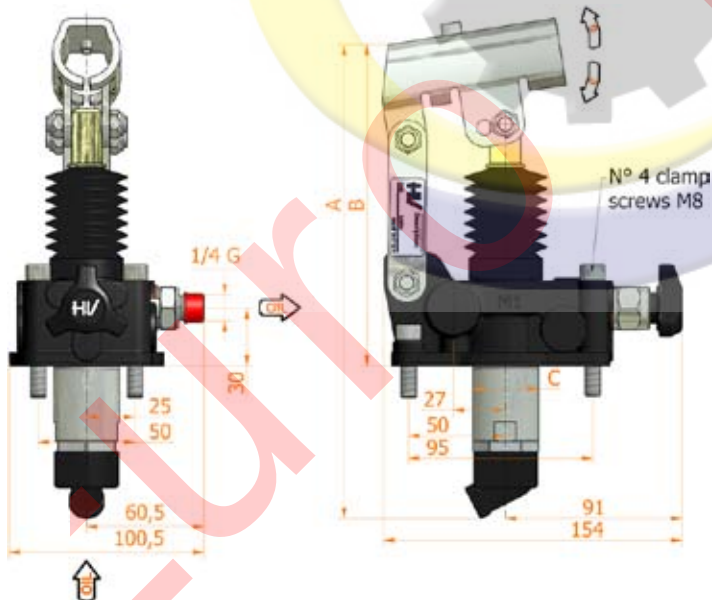
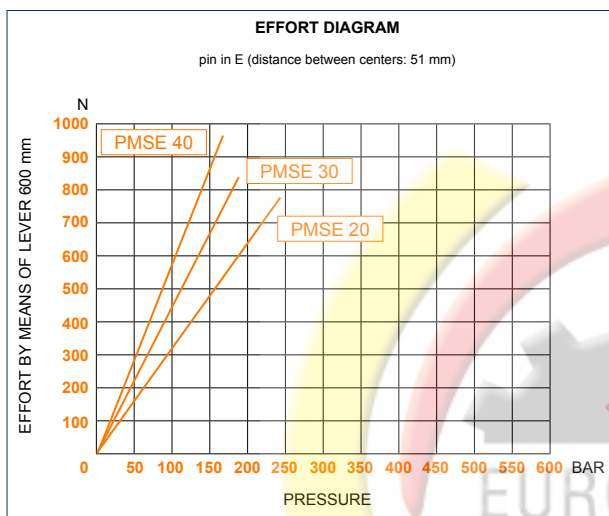


PMSE 20-30-40 s

with release hand knob



single acting hand pump for a single acting cylinder
for fixing to tank

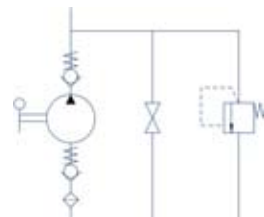

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

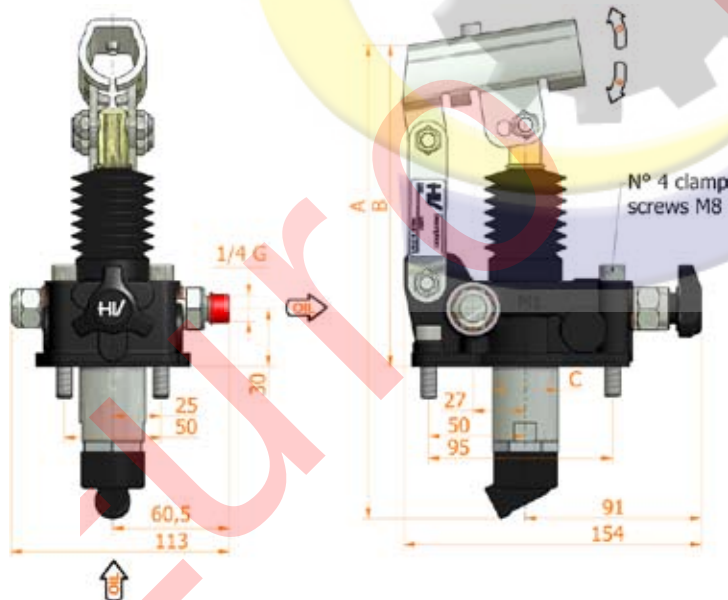
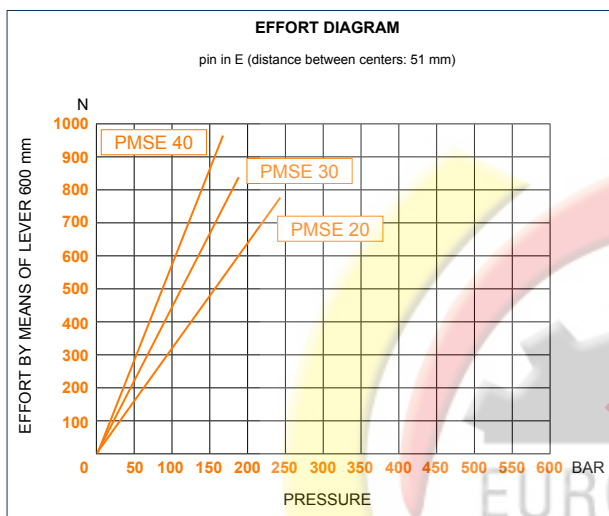
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0010	6067.0037	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0010	6068.0037	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0010	6069.0037	
												

PMSE 20-30-40 byA-s

with release hand knob
with pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank


Specifications:

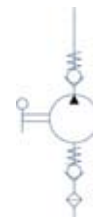
- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0011	6067.0038	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0011	6068.0038	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0011	6069.0038	

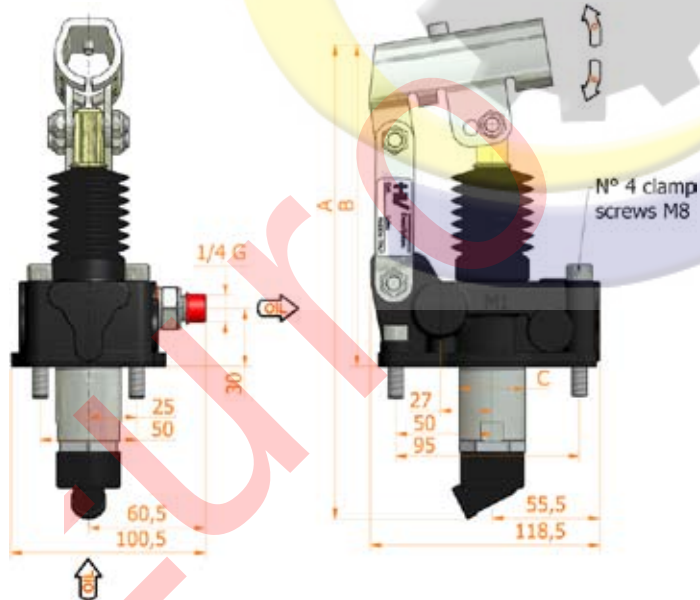
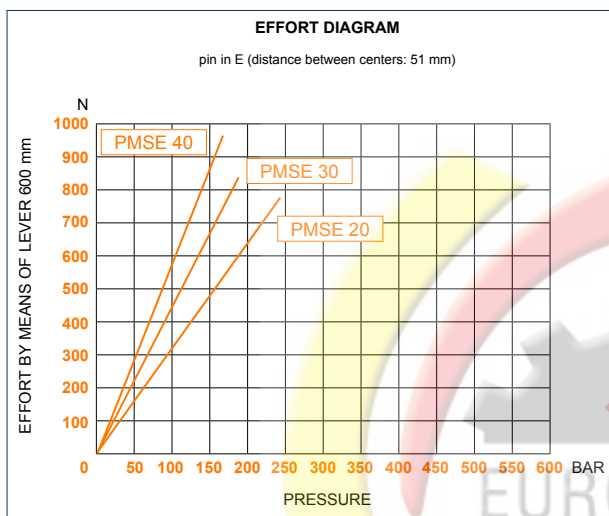


PMSE 20-30-40 e-s

without release hand knob



single acting hand pump for a single acting cylinder
for fixing to tank


Specifications:

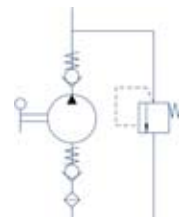
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0012	6067.0039	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0012	6068.0039	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0012	6069.0039	
												

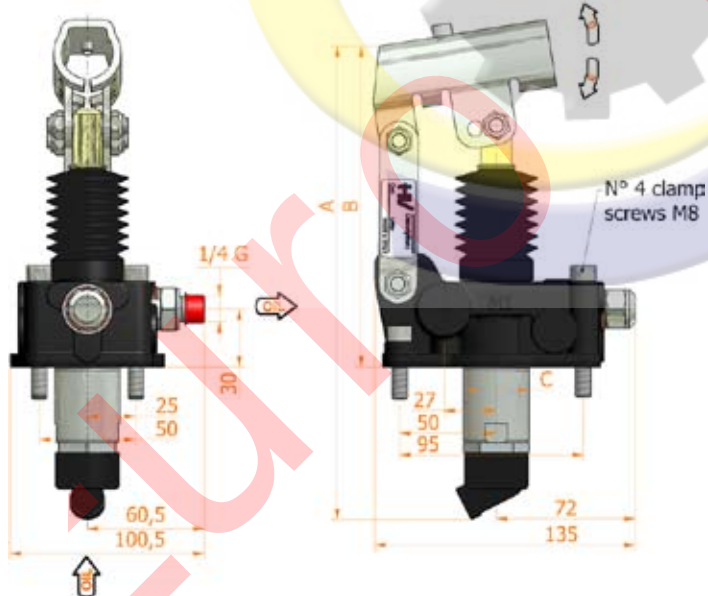
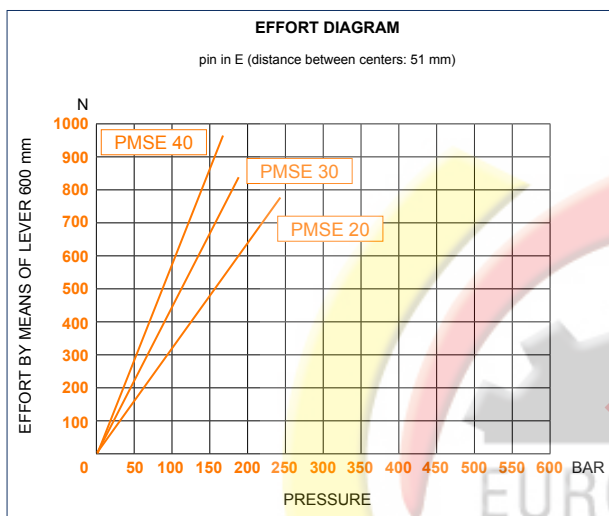


PMSE 20-30-40 byC-e-s

without release hand knob
with pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank


Specifications:

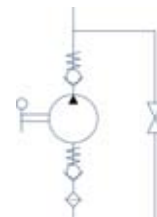
- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0013	6067.0040	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0013	6068.0040	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0013	6069.0040	

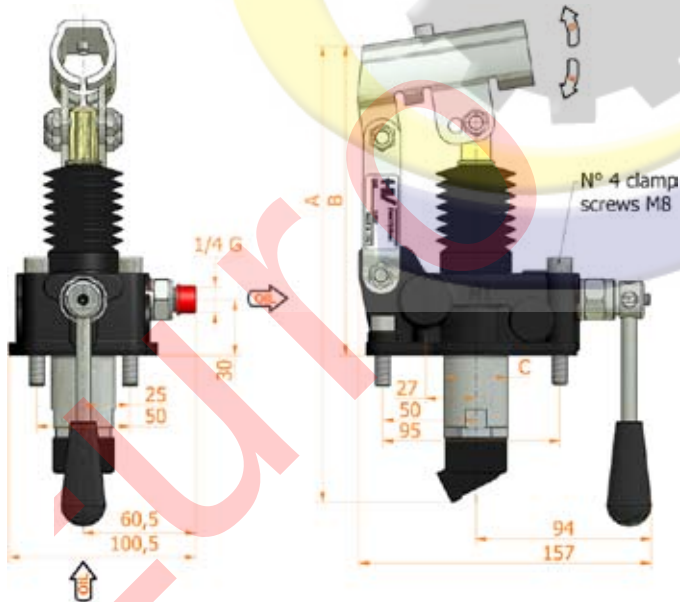
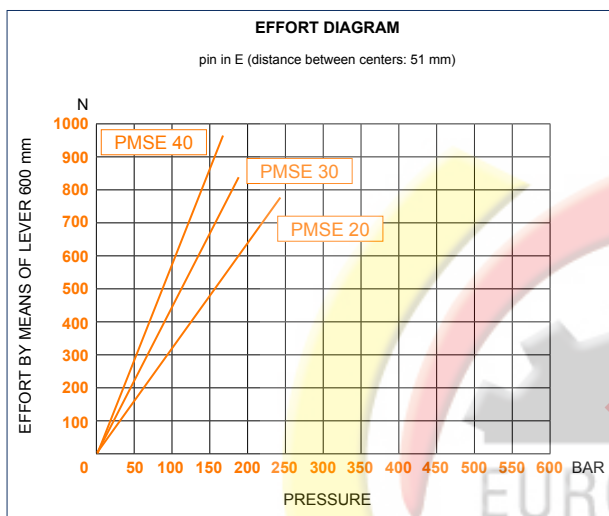


PMSE 20-30-40 L-s

with release lever



single acting hand pump for a single acting cylinder
for fixing to tank


Specifications:

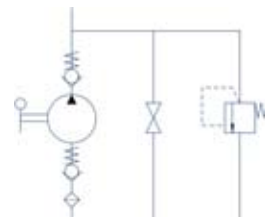
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0014	6067.0041	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0014	6068.0041	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0014	6069.0041	
												

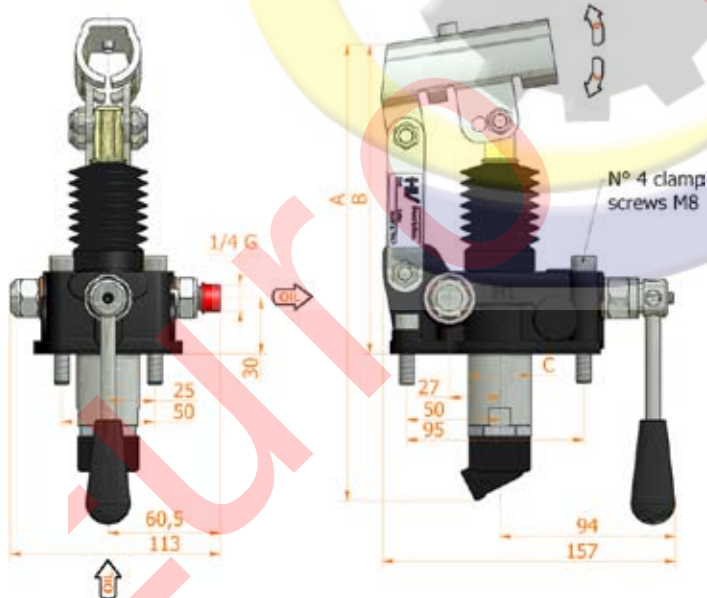
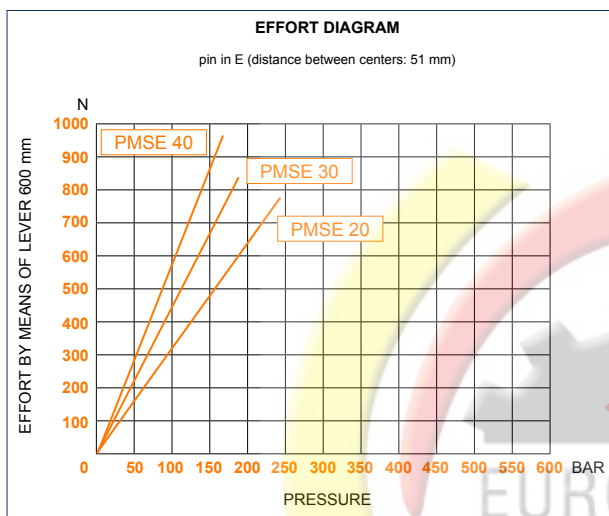


PMSE 20-30-40 L-byA-s

with release lever
with pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank



Specifications:

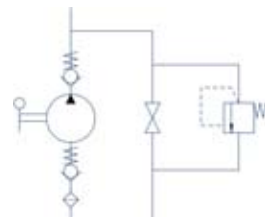
- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0015	6067.0042	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0015	6068.0042	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0015	6069.0042	

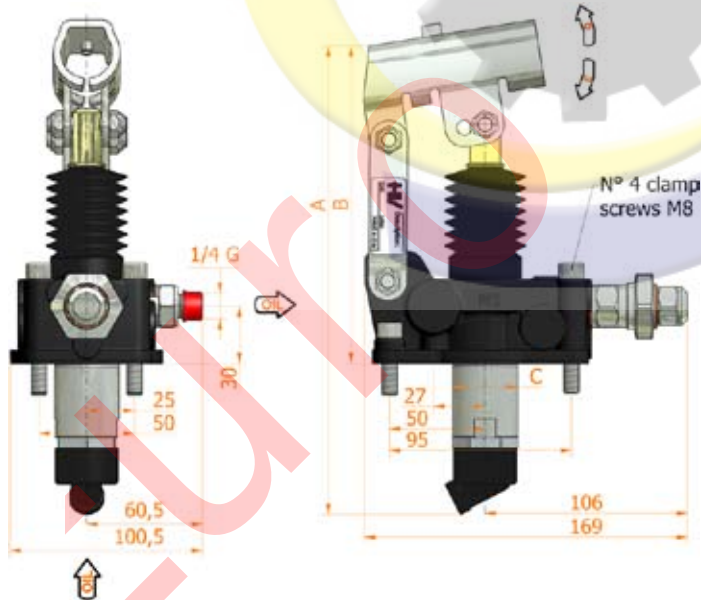
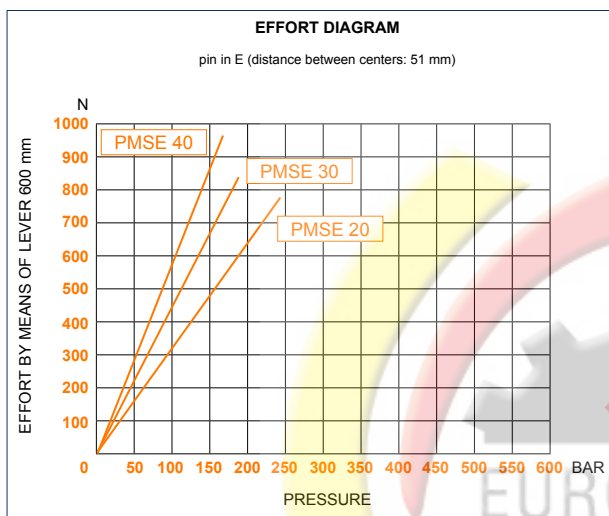


PMSE 20-30-40 byC-s

with release lever
with pressure relief valve



single acting hand pump for a single acting cylinder
for fixing to tank

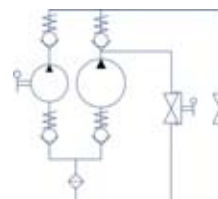

Specifications:

- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **100 bar**

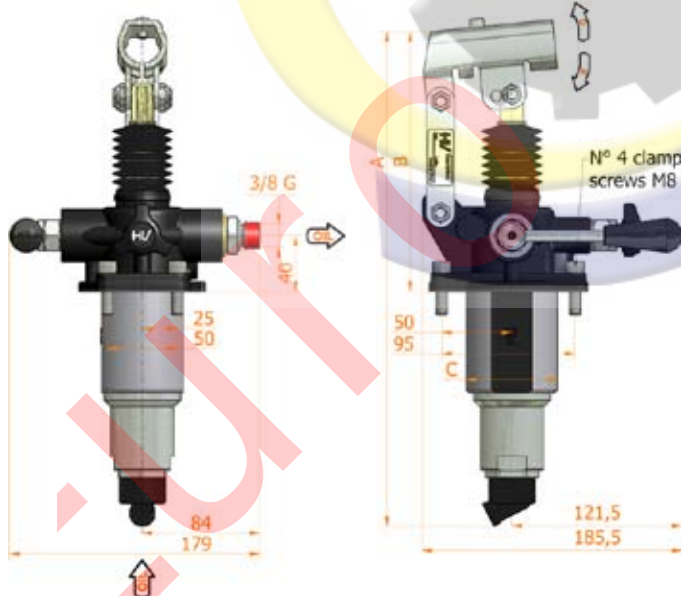
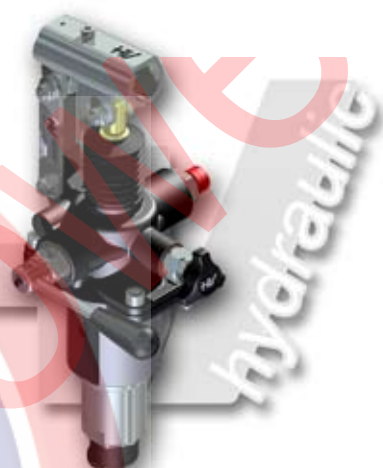
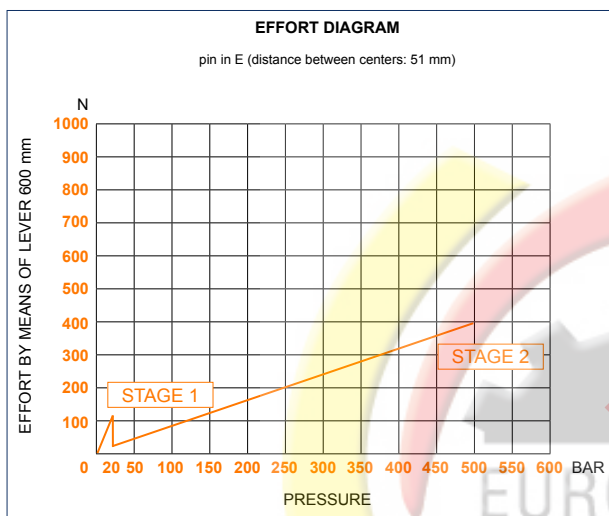
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
20	249	167	34	35	29	20,527	185	240	3,100	6067.0016	6067.0043	
30	252	167	34	38	26	30,262	160	185	3,200	6068.0016	6068.0043	
40	252	167	40	38	26	40,290	130	160	3,300	6069.0016	6069.0043	
												

PM2V 5-80 Lm-s

with release hand knob
with exclusion lever for the 1st speed



hand pump two speed for a single acting cylinder
for fixing to tank


Specifications:

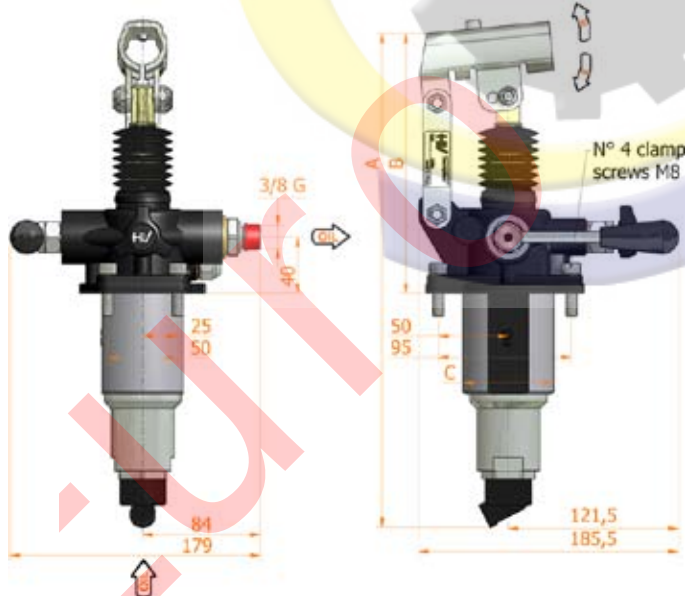
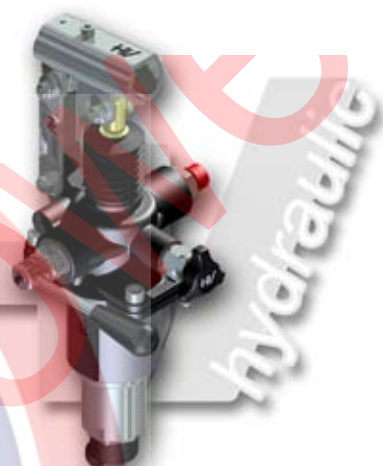
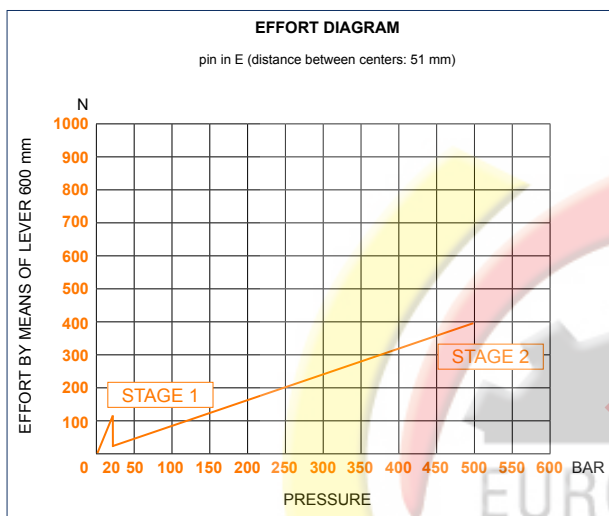
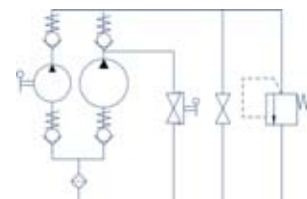
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0100	6071.0127	

PM2V 5-80 Lm-byB-s

with release hand knob
with exclusion lever for the 1st speed
with pressure relief valve

hand pump two speed for a single acting cylinder
for fixing to tank


Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **400 bar**

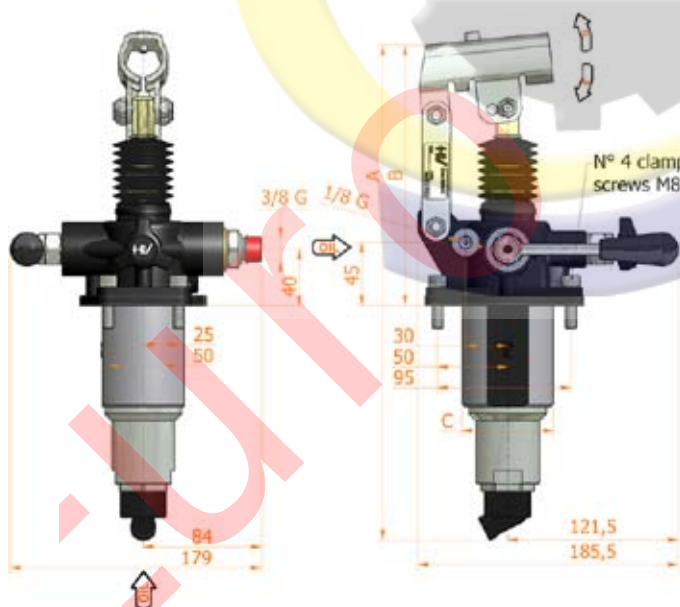
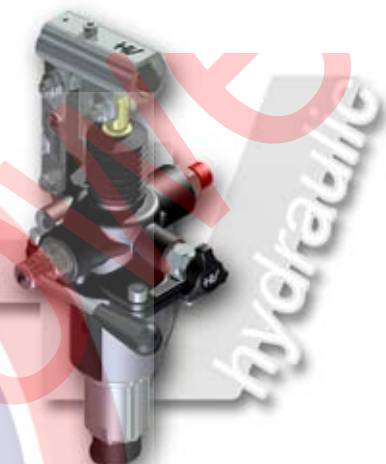
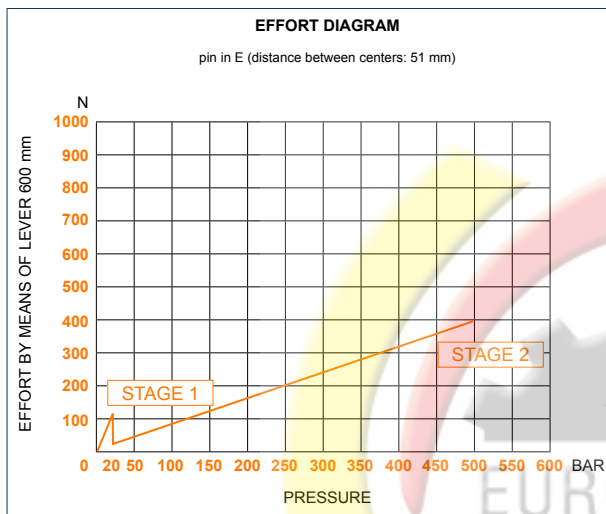
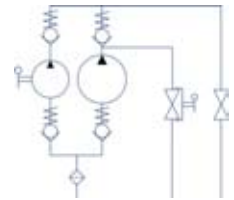
DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0101	6071.0128	
													
													
													



PM2V 5-80 Lm-pm-s

with release hand knob
with exclusion lever for the 1st speed
with pressure-gauge prearrangement

hand pump two speed for a single acting cylinder
for fixing to tank



Specifications:

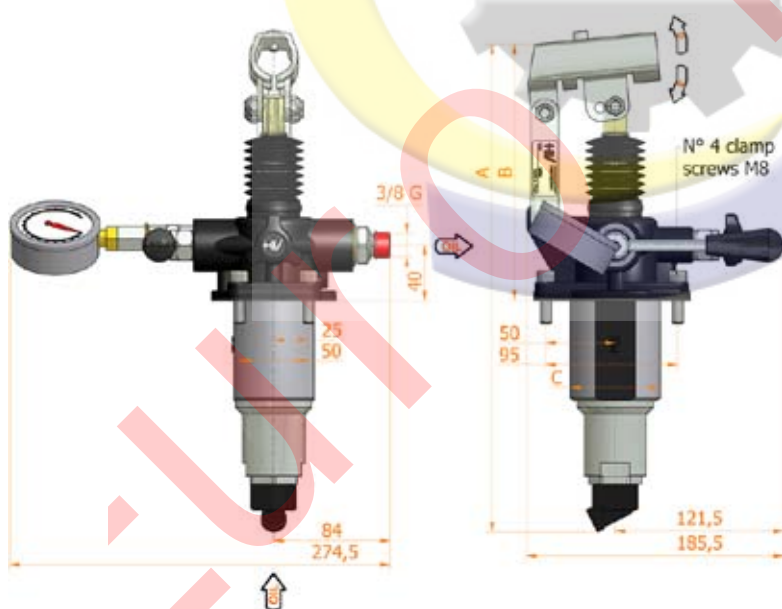
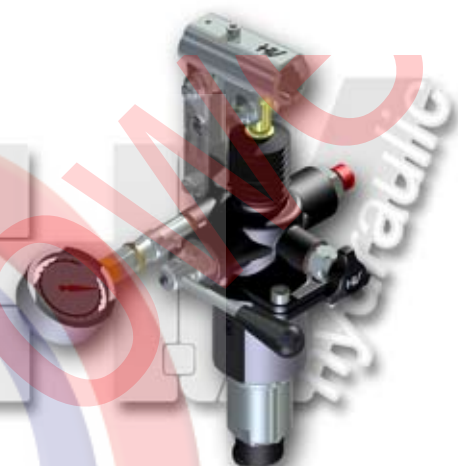
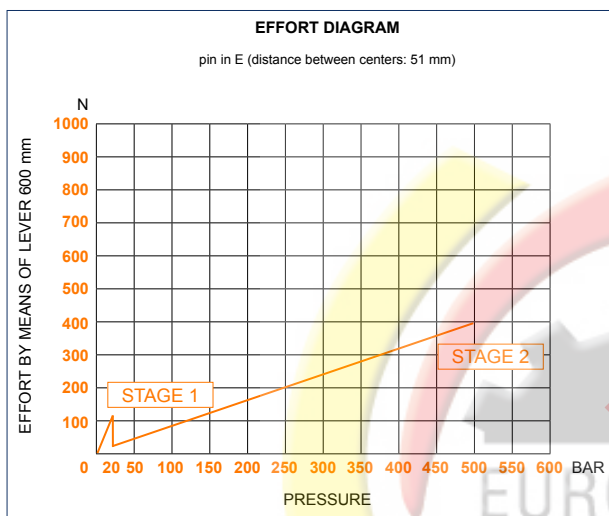
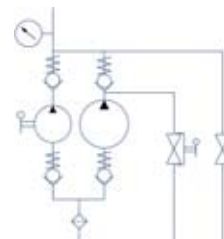
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- With pressure-gauge prearrangement connection 1/8 G

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0102	6071.0129	

PM2V 5-80 Lm-M-s

with release hand knob
with exclusion lever for the 1st speed
with pressure-gauge

hand pump two speed for a single acting cylinder
for fixing to tank

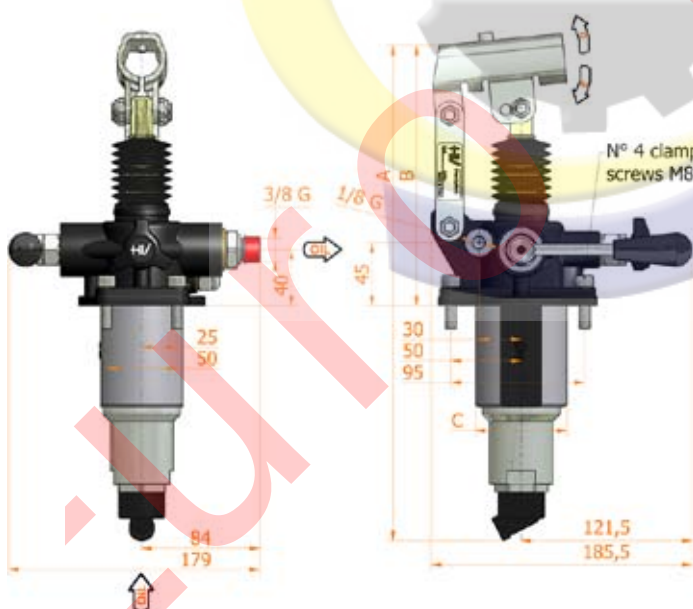
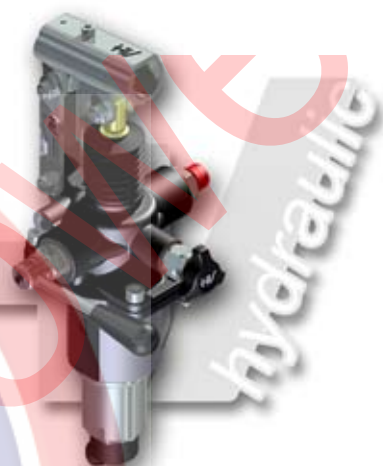
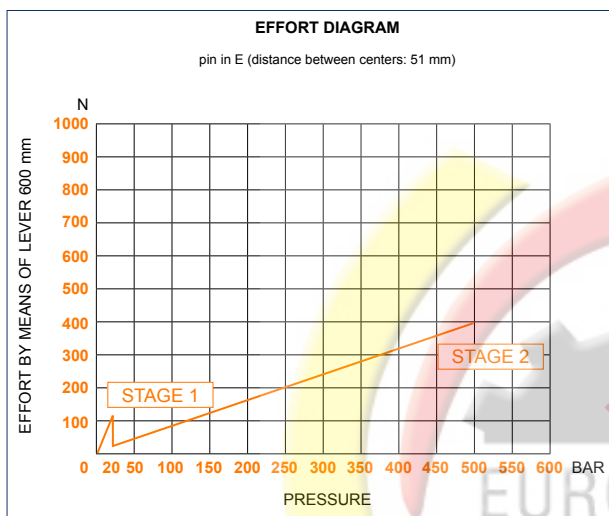
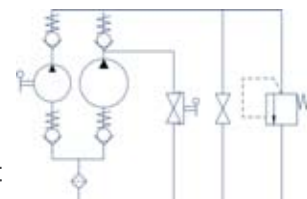

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0103	6071.0130	

PM2V 5-80 Lm-byB-pm-s

with release hand knob
with exclusion lever for the 1st speed
with pressure relief valve and pressure-gauge prearrangement
hand pump two speed for a single acting cylinder
for fixing to tank

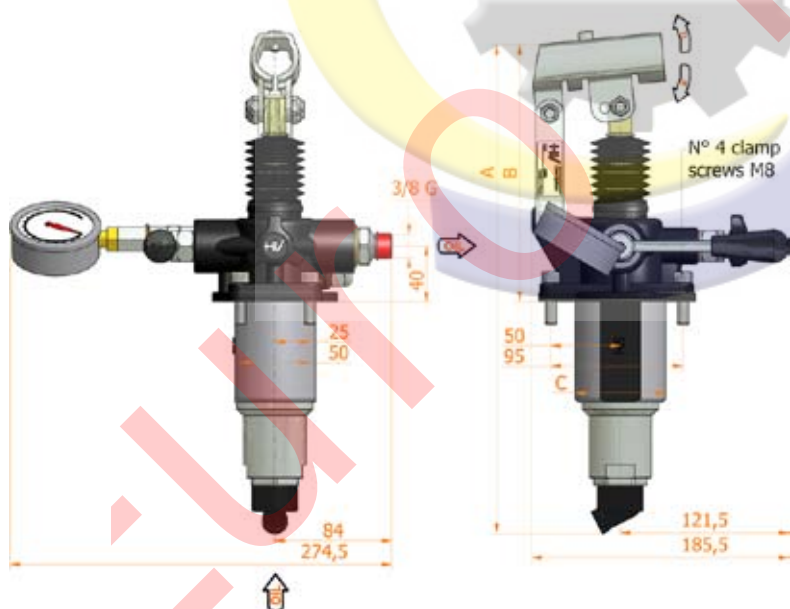
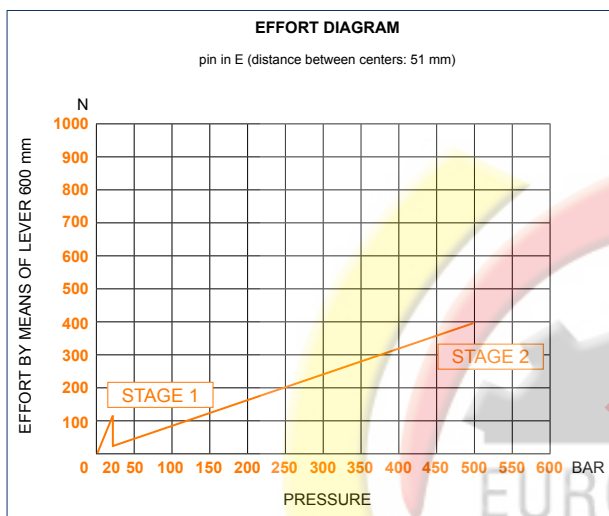
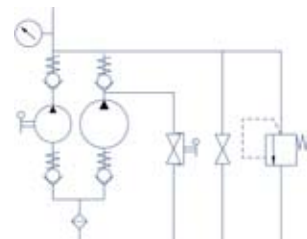

Specifications:

- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **400 bar**
- With pressure-gauge prearrangement connection **1/8 G**

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0104	6071.0131	
													
													
													

PM2V 5-80 Lm-byB-M-s

with release hand knob
with exclusion lever for the 1st speed
with pressure relief valve and pressure-gauge
hand pump two speed for a single acting cylinder
for fixing to tank



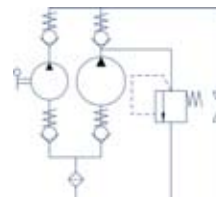
Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **400 bar**

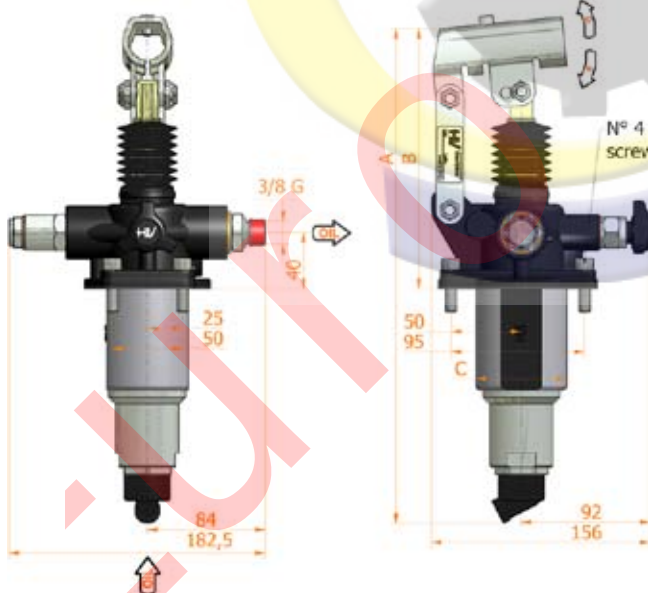
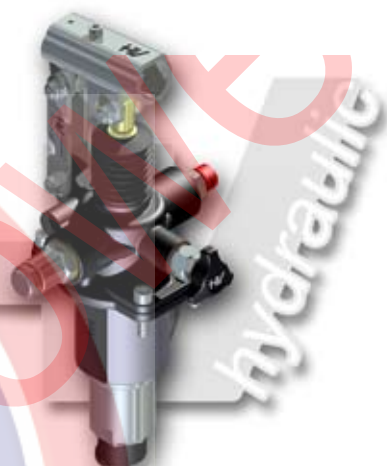
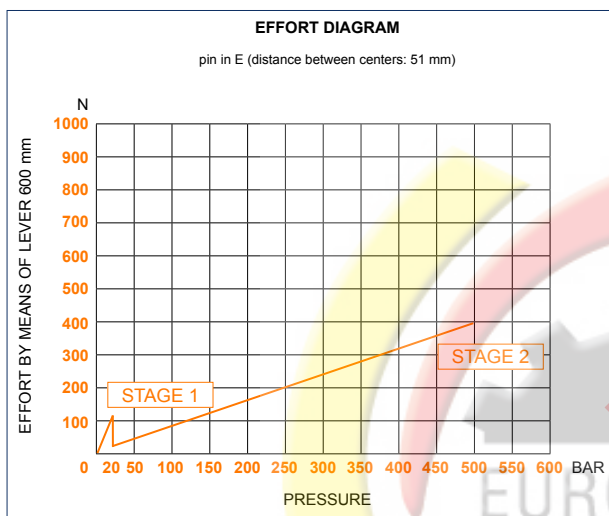
DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0105	6071.0132	

PM2V 5-80 a-s

with release hand knob
with exclusion lever for the 1st speed



hand pump two speed for a single acting cylinder
for fixing to tank



Specifications:

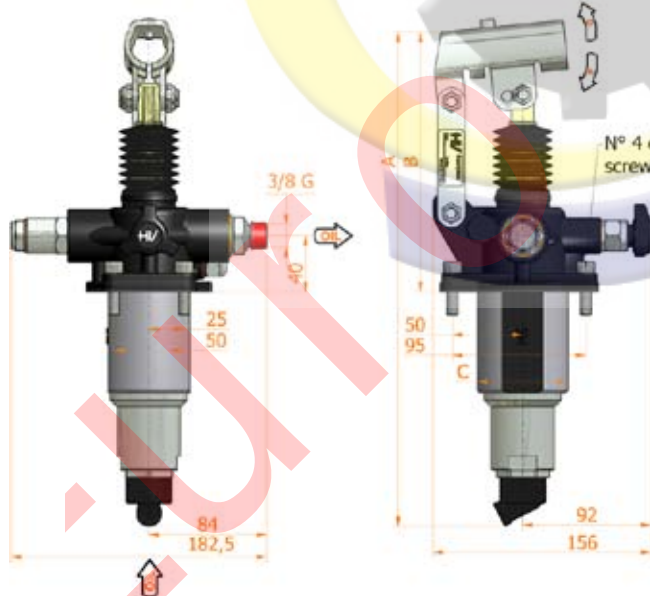
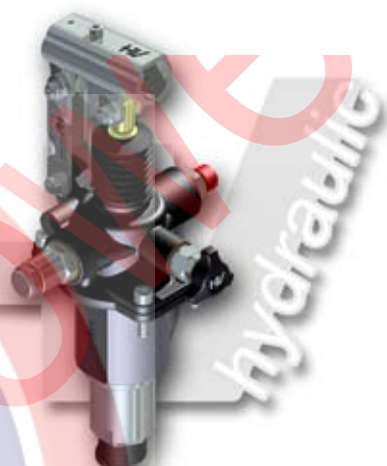
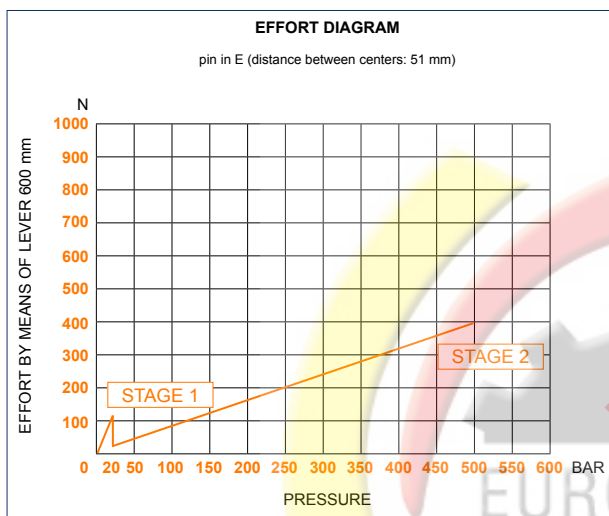
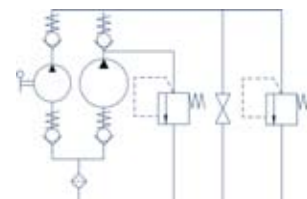
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0106	6071.0133	

PM2V 5-80 a-byB-s

with release hand knob
with exclusion lever for the 1st speed
with pressure relief valve

hand pump two speed for a single acting cylinder
for fixing to tank



Specifications:

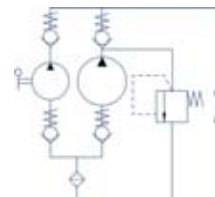
- Piston treated with Niploy
- Lever connection $\varnothing 27$
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **400 bar**

DISPLACE- MENT cm ³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm ³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0107	6071.0134	

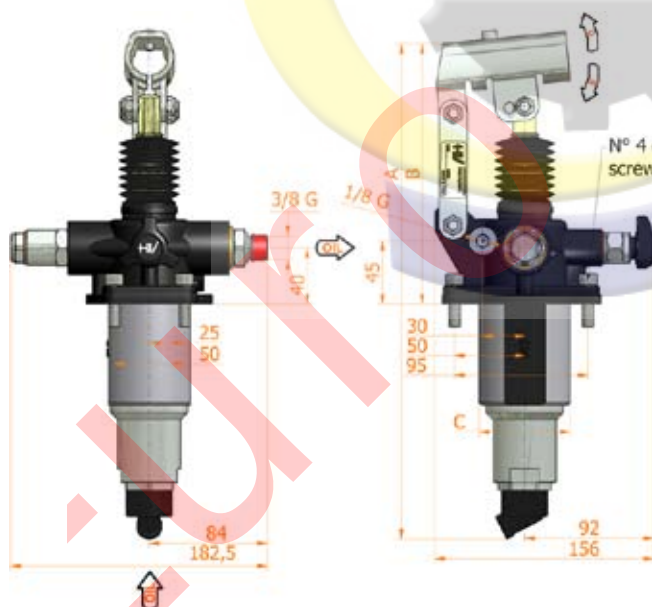
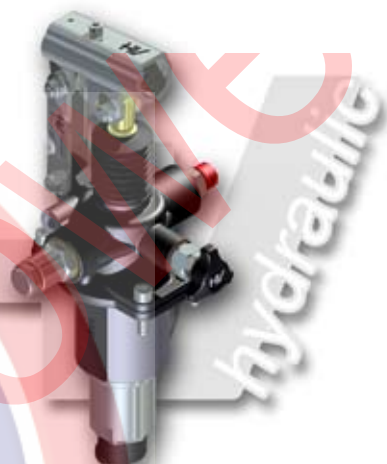
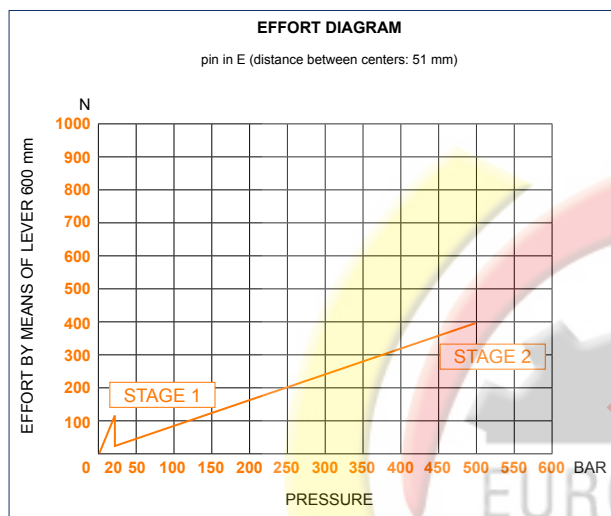


PM2V 5-80 a-pm-s

with release hand knob
with exclusion lever for the 1st speed
with pressure-gauge prearrangement



hand pump two speed for a single acting cylinder
for fixing to tank



Specifications:

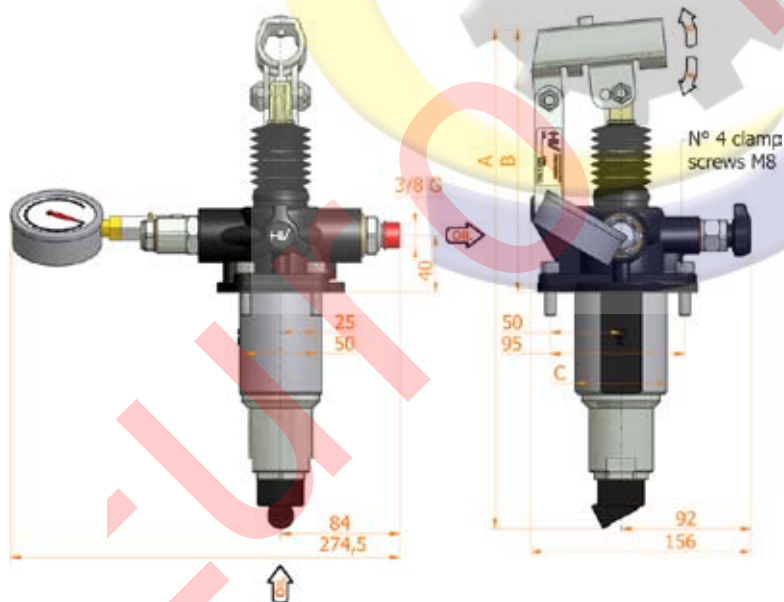
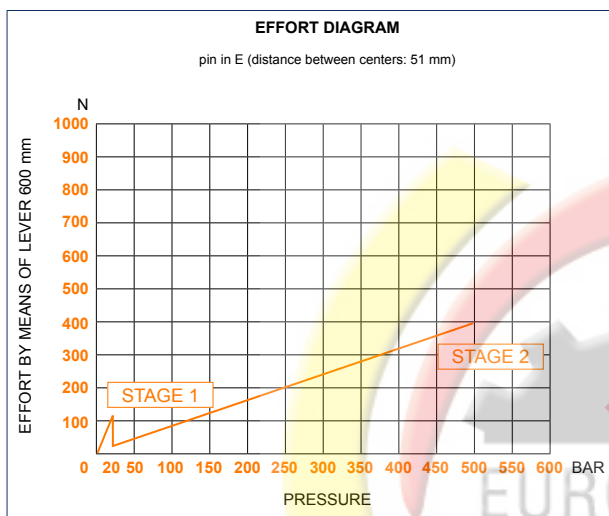
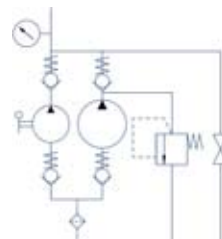
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- With pressure-gauge prearrangement connection 1/8 G

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0108	6071.0135	

PM2V 5-80 a-M-s

with release hand knob
with exclusion lever for the 1st speed
with pressure-gauge

hand pump two speed for a single acting cylinder
for fixing to tank



Specifications:

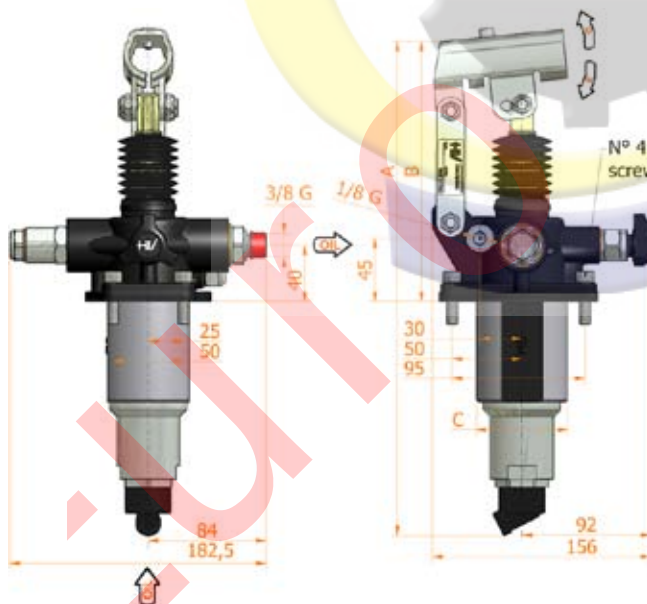
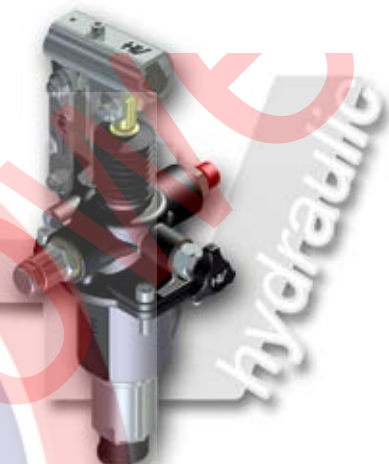
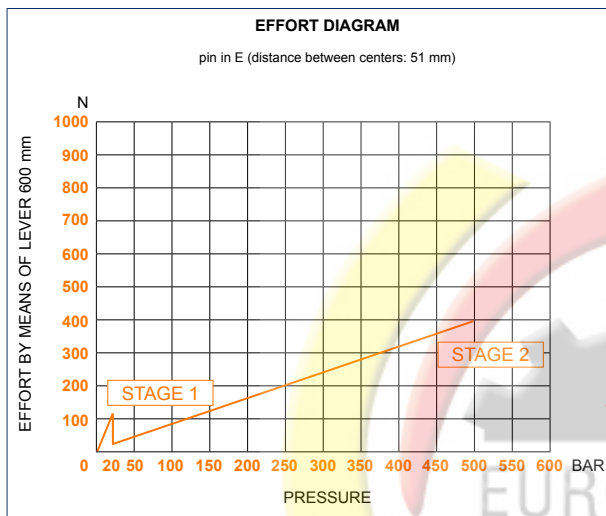
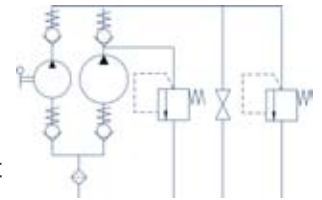
- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0109	6071.0136	



PM2V 5-80 a-byB-pm-s

with release hand knob
with exclusion lever for the 1st speed
with pressure relief valve and pressure-gauge prearrangement
hand pump two speed for a single acting cylinder
for fixing to tank

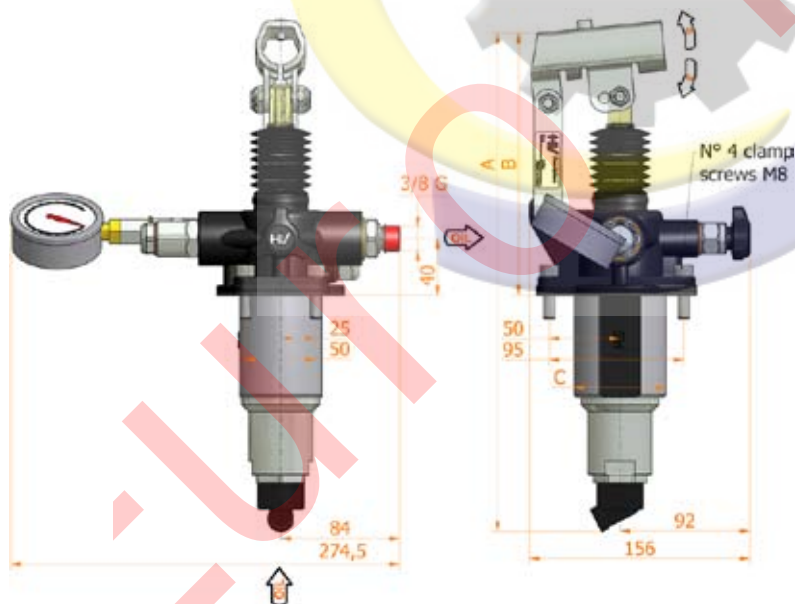
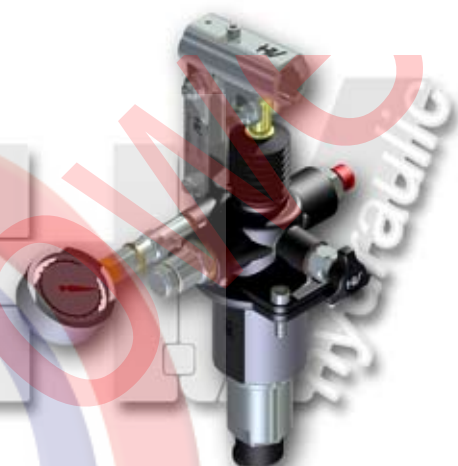
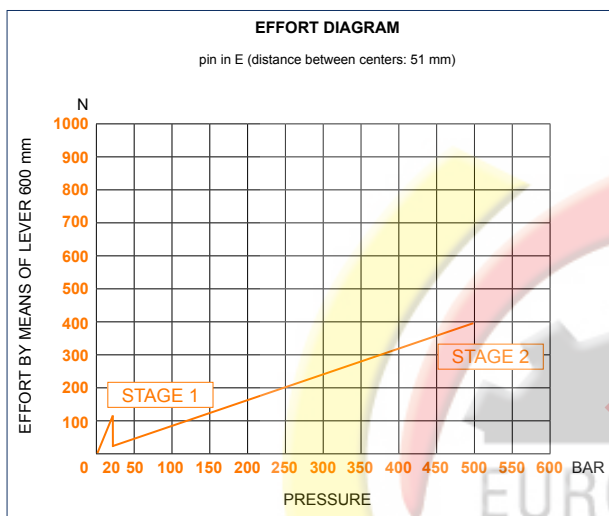
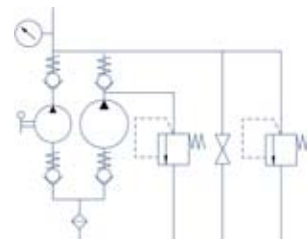

Specifications:

- Piston treated with **Niploy**
- Lever connection **Ø 27**
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **400 bar**
- With pressure-gauge prearrangement connection **1/8 G**

DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0110	6071.0137	
													
													
													

PM2V 5-80 a-byB-M-s

with release hand knob
with exclusion lever for the 1st speed
with pressure relief valve and pressure-gauge
hand pump two speed for a single acting cylinder
for fixing to tank

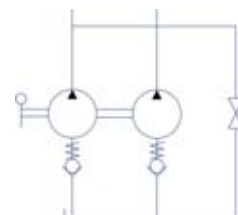

Specifications:

- Piston treated with Niploy
- Lever connection Ø 27
- Standard colour **black**
- Mounting kit and seals **included**
- Pressure relief valve standard setting: **400 bar**

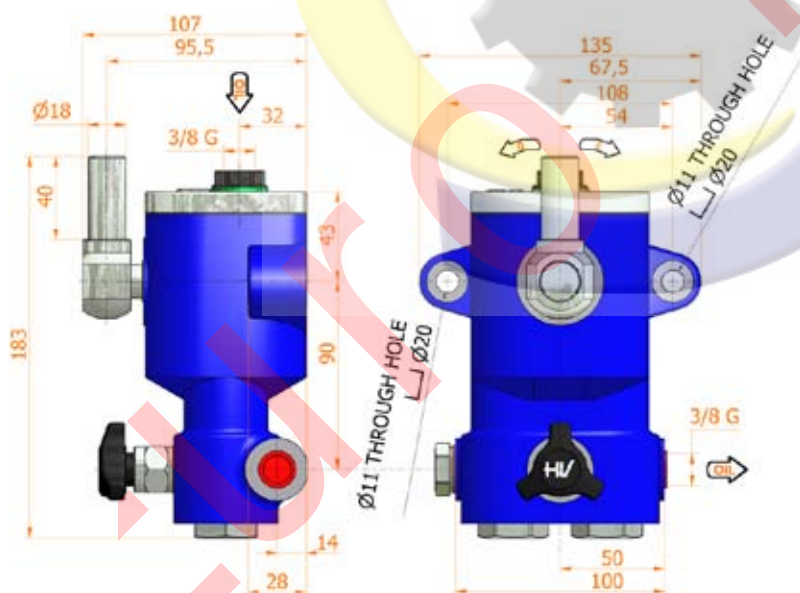
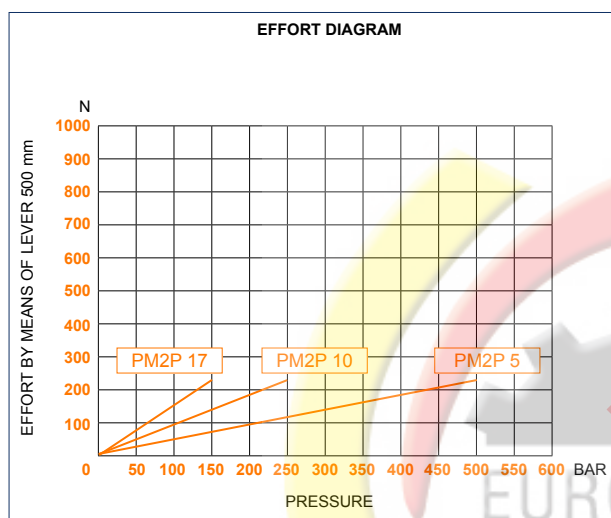
DISPLACE- MENT cm³	A mm	B mm	C mm	D °	E °	DISPLACEMENT cm³		PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
						STAGE 1	STAGE 2	STAGE 1	STAGE 2				
5-80	354	185	65	30	32	80,588	5,036	20	500	6,200	6071.0111	6071.0138	
													
													
													

PM2P 5-10-17

with release hand knob



double acting hand pump for a single acting cylinder



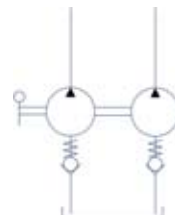
Specifications:

- Lever connection Ø 18
- Standard colour blue

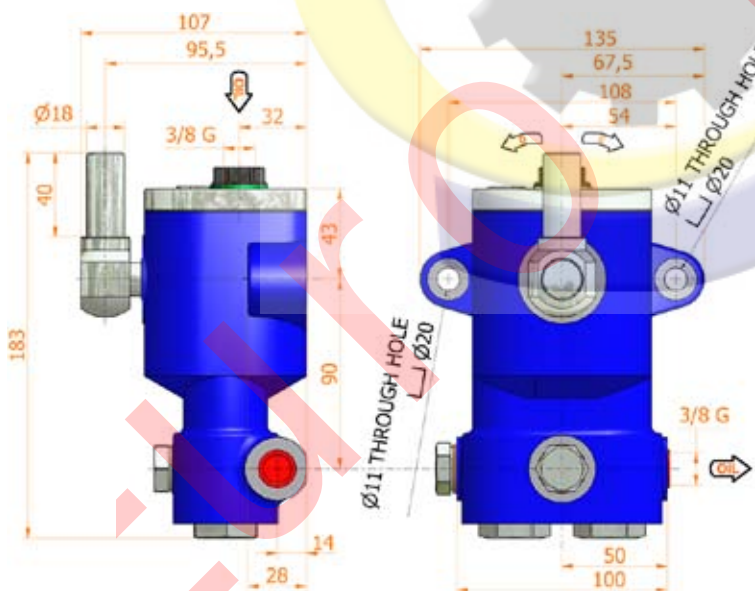
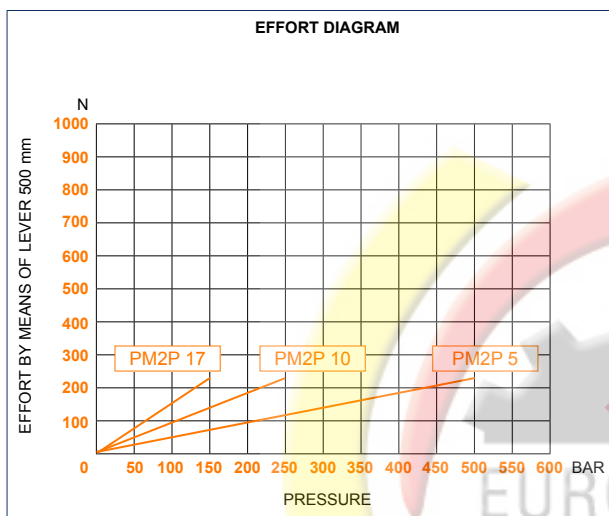
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
5	-	-	-	36	36	5,510	-	500	4,200	6091.0000	-	
10	-	-	-	36	36	11,650	-	250	4,200	6092.0000	-	
17	-	-	-	36	36	18,210	-	150	4,200	6093.0000	-	
												

PM2P 5-10-17 e

without release hand knob



double acting hand pump for a single acting cylinder



Specifications:

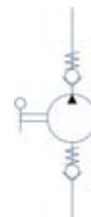
- Lever connection Ø 18
- Standard colour blue

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
5	-	-	-	36	36	5,510	-	500	4,200	6091.0001	-	
10	-	-	-	36	36	11,650	-	250	4,200	6092.0001	-	
17	-	-	-	36	36	18,210	-	150	4,200	6093.0001	-	

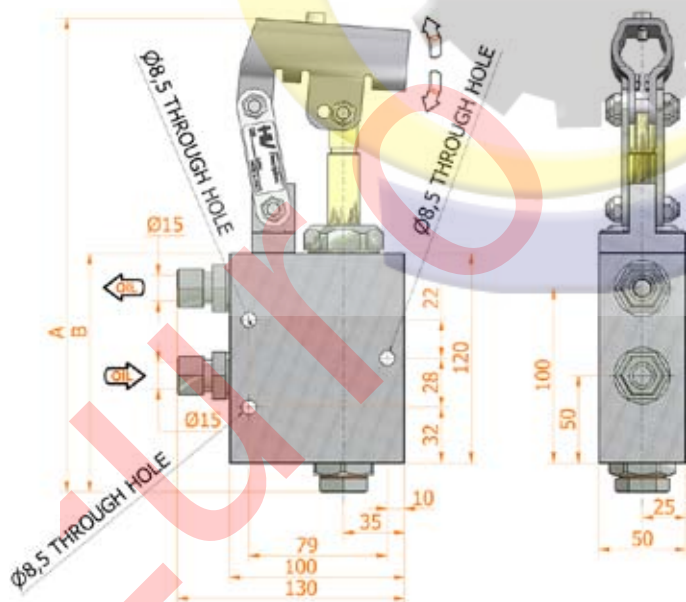
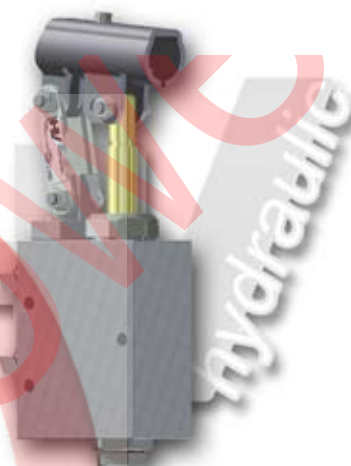
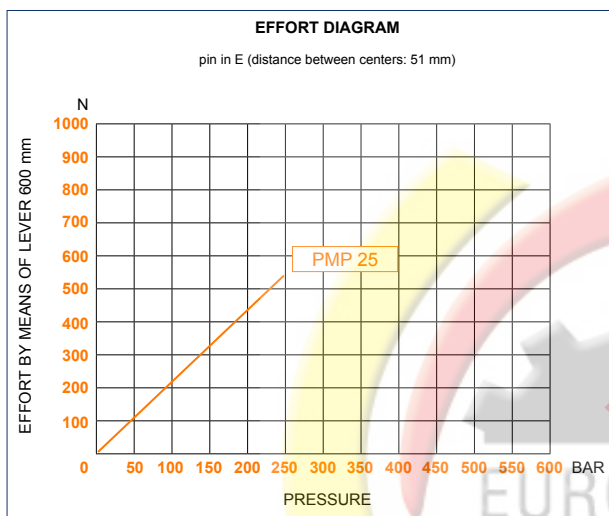


PMP 25 e

without release hand knob



single acting hand pump for a single acting cylinder



Specifications:

- Piston treated with **NIPLOY 30 micron** to provide an higher resistance to the salt spray corrosion
- Lever connection **Ø 27**
- Support-lever in **stainless steel**
- Aluminium **anticorodal** body

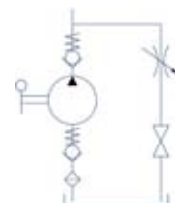
DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE WITHOUT BELLOWS	CODE WITH BELLOWS	L
							WORK P.	MAX				
25	270	136	-	26	29	24,285	-	280	3,000	6075.0001	-	
												
												
												

FOOT PUMPS

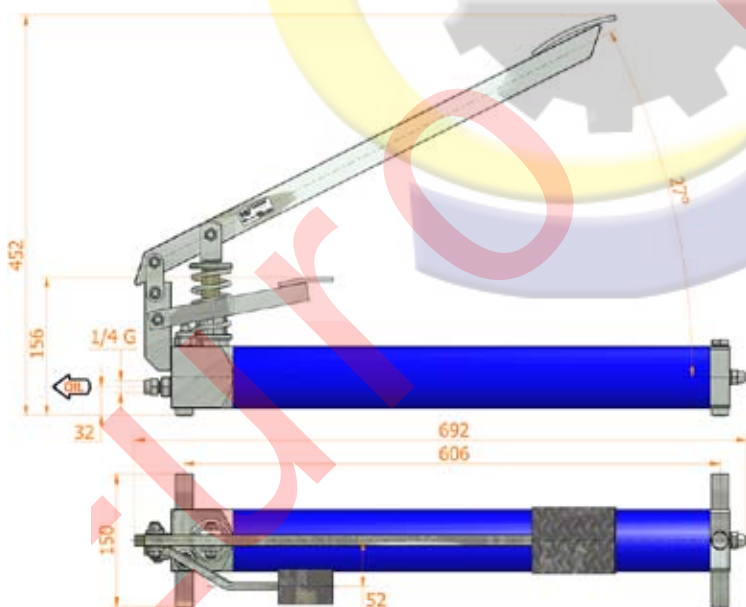
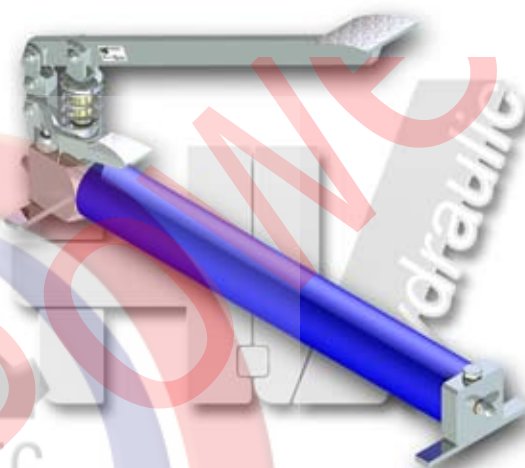
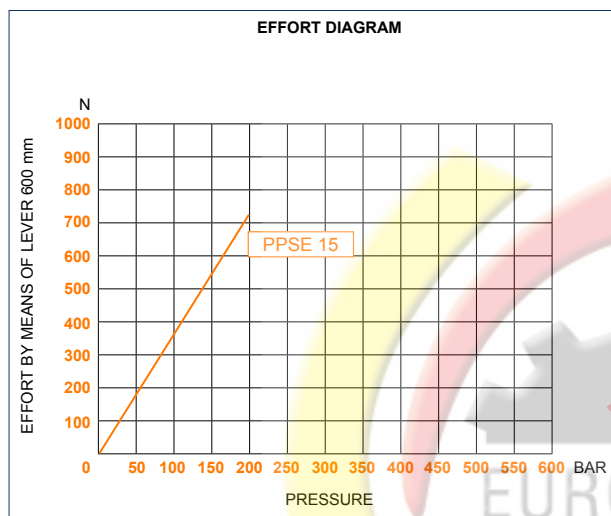


PPSE 15

with release lever



single acting pump for a single acting cylinder
with cylindrical tank



Specifications:

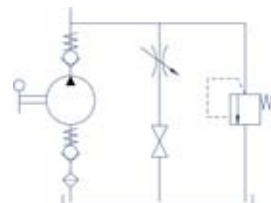
- Piston treated with Niploy
- Standard colour blue

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE	L
							WORK P.	MAX			
15	-	-	-	-	-	14,130	150	230	10,000	6090.0000	

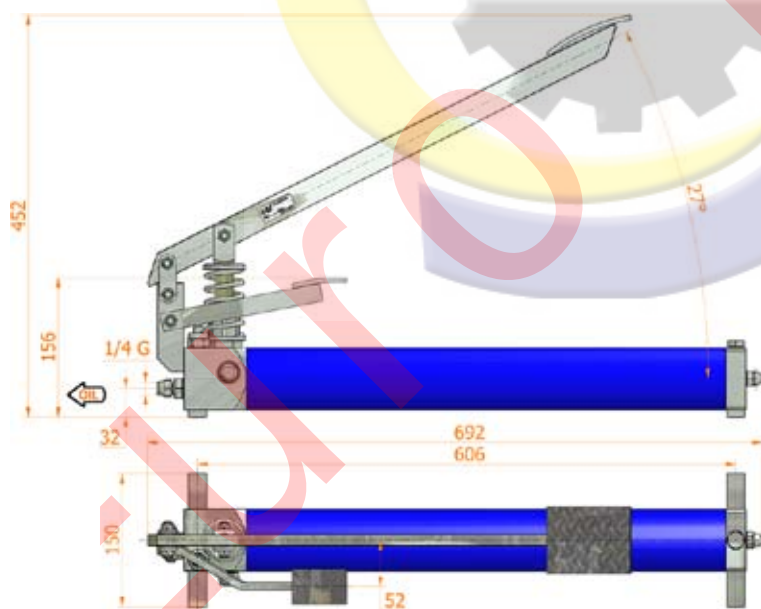
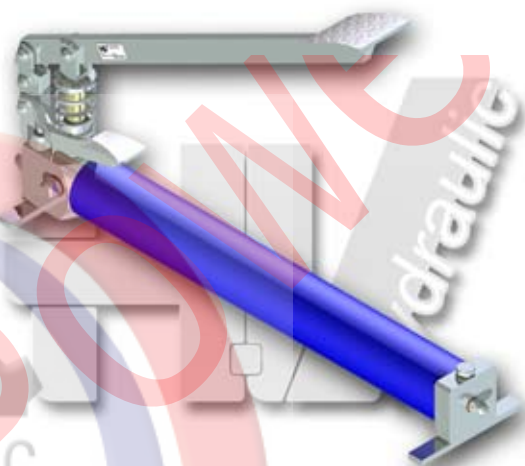
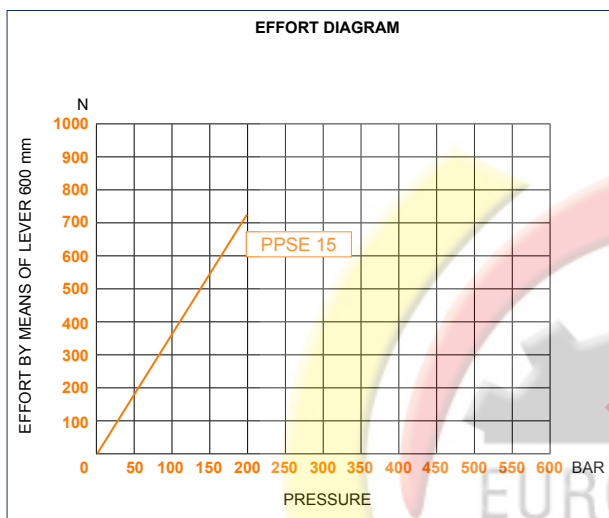


PPSE 15 byB

with release lever
with pressure relief valve



single acting pump for a single acting cylinder
with cylindrical tank



Specifications:

- Piston treated with **Niploy**
- Standard colour **blue**
- Pressure relief valve standard setting: **200 bar**

DISPLACEMENT cm ³	A mm	B mm	C mm	D °	E °	ACTUAL DISPLACEMENT cm ³	PRESSURE BAR		MASS KG	CODE	L
							WORK P.	MAX			
15	-	-	-	-	-	14,130	150	230	10,000	6090.0001	
											
											
											

LEVERS FOR HAND PUMPS



LEVERS FOR HAND PUMPS

straight lever
white zincate



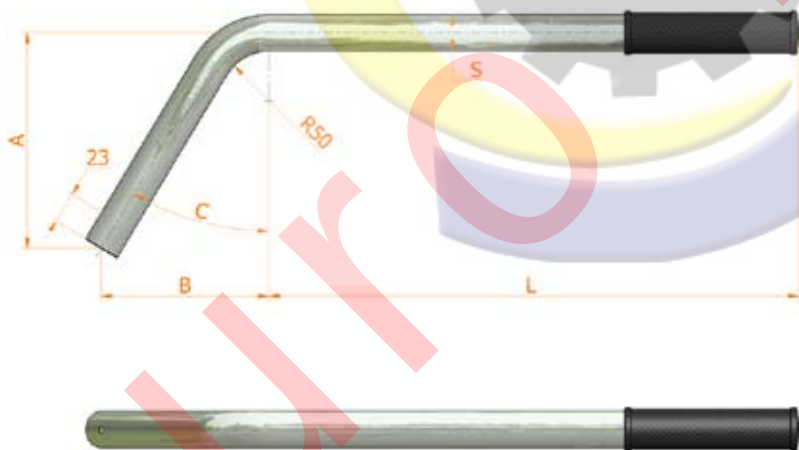
Specifications:

- Hand grip colour **black**
- Standard lever $\varnothing 27 \times 600$

LEVER	A mm	B mm	C mm	S mm	L mm	WEIGHT KG	LEVER FOR HAND PUMP	CODE	L
L 20x500 zb-d	-	-	-	20	500	0,40	PMSE 8-15	6800.0000	
L 27x330 zb-d	-	-	-	27	330	0,50	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0005	
L 27x400 zb-d	-	-	-	27	400	0,60	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0007	
L 27x600 zb-d	-	-	-	27	600	0,90	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0009	
L 27x850 zb-d	-	-	-	27	850	1,20	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0011	
L 27x1000 zb-d	-	-	-	27	1000	1,50	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0013	
L 27x1500 zb-d	-	-	-	27	1500	2,20	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0027	

LEVERS FOR HAND PUMPS

fold lever
white zincate



Specifications:
• Hand grip colour **black**

LEVER	A mm	B mm	C mm	S mm	L mm	WEIGHT KG	LEVER FOR HAND PUMP	CODE	L
L 27x600 zb-p	140	100	31°	27	415	0,90	PM PMD PMDVB PMO PMP PMSE 20-30-40 PM2V 5-80	6800.0020	

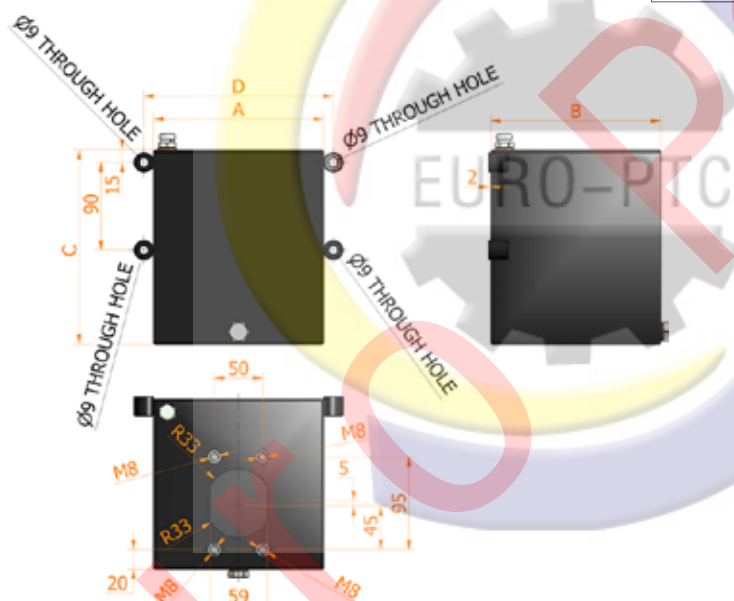
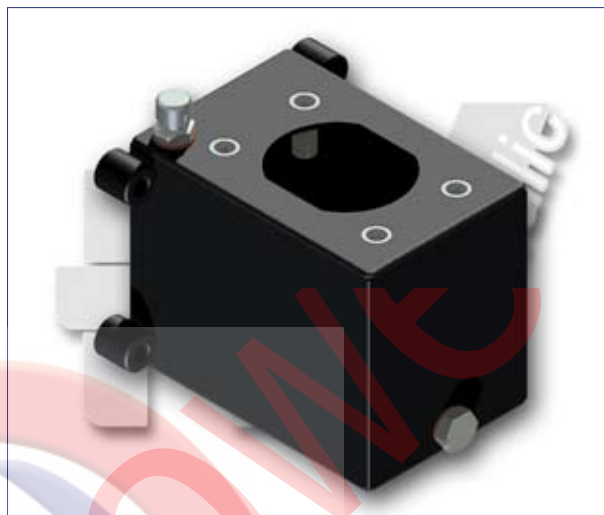
OIL TANK





STEEL OIL TANK

painted steel oil tank for hand pumps



Specifications:

- Standard colour black

CAPACITY litri	A mm	B mm	C mm	D mm	MASS KG	SUCTION PIPE	CODE	L
1	100	150	120	120	2,200	Ø10x85 mm	6500.0140	
2	100	150	185	120	3,000	Ø10x114 mm	6500.0141	
3	100	150	255	120	3,700	Ø10x180 mm	6500.0142	
5	175	175	200	195	5,300	Ø10x156 mm	6500.0143	
7	175	175	275	195	6,600	Ø10x215 mm	6500.0144	
10	175	175	380	195	8,300	Ø10x325 mm	6500.0145	
								
								
								
								



ALUMINIUM TANKS

aluminium oil tank for hand pumps



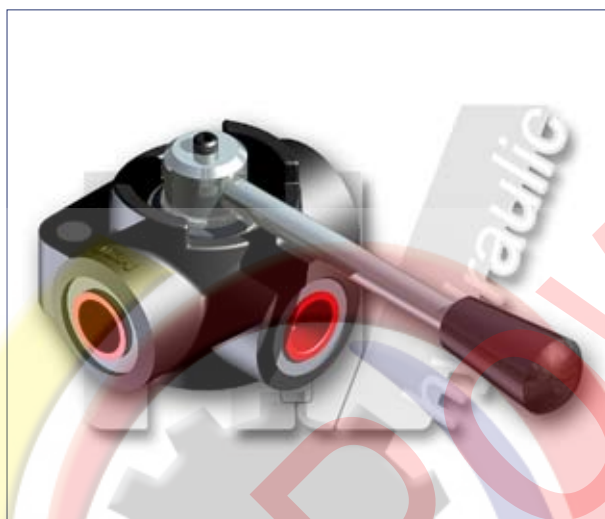
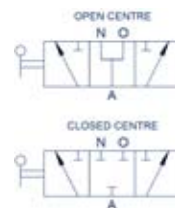
Specifications:

CAPACITY litri	A mm	B mm	C mm	D mm	MASS KG	SUCTION PIPE	CODE	L
								
								
								
								
								
								
								
								
								

FLOW DIVIDERS - INVERTERS



3 ways flow divider

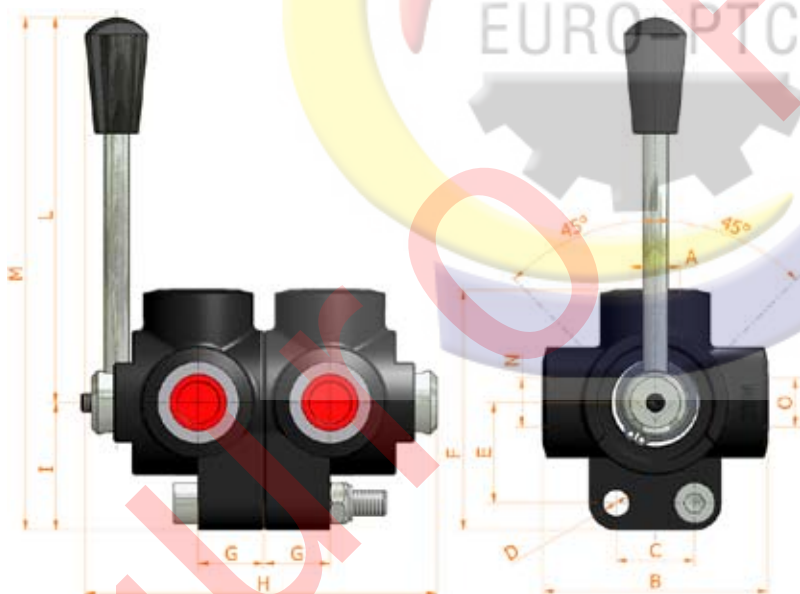
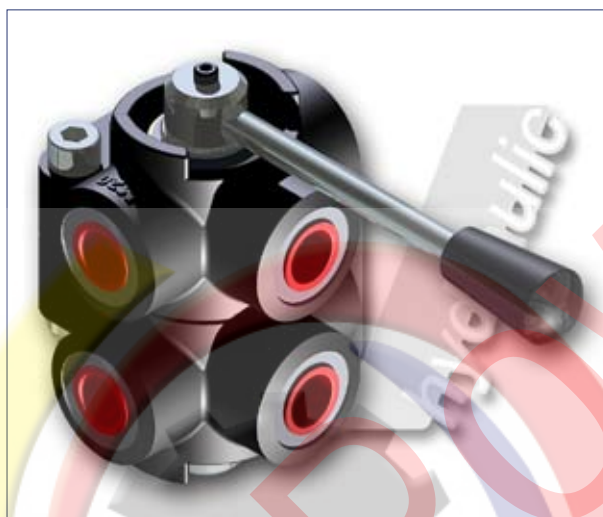


- Standard colour **black**

Q

D6

6 ways flow divider

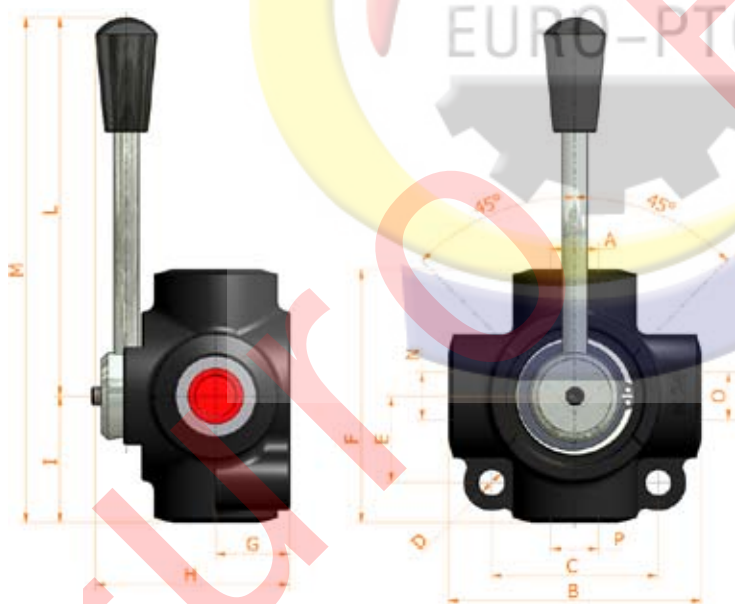
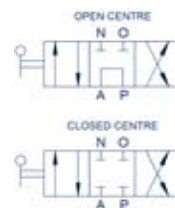

Specifications:

- Standard colour black

O-N-A GAS	FLOW litri/min	PRESSURE BAR	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	M mm	MASS KG	CODE OF OPEN CENTRE	CODE OF CLOSED CENTRE	L
1/4"	60+60	350	70	25	8,5	32	75,5	21	112	115	155,5	1,500	7003.0104	7003.0111	
3/8"	60+60	350	70	25	8,5	32	75,5	21	112	115	155,5	1,500	7003.0100	7003.0107	
1/2"	90+90	350	80	32	8,5	36	86	24	124	115	161	2,300	7003.0101	7003.0108	
3/4"	120+120	350	90	32	10,5	42	98,5	26	132	115	168,5	3,500	7003.0102	7003.0109	
1"	200+200	300	98	32	10,5	50	110	31	152	115	176,5	5,300	7003.0103	7003.0110	

D4

4 ways flow inverters



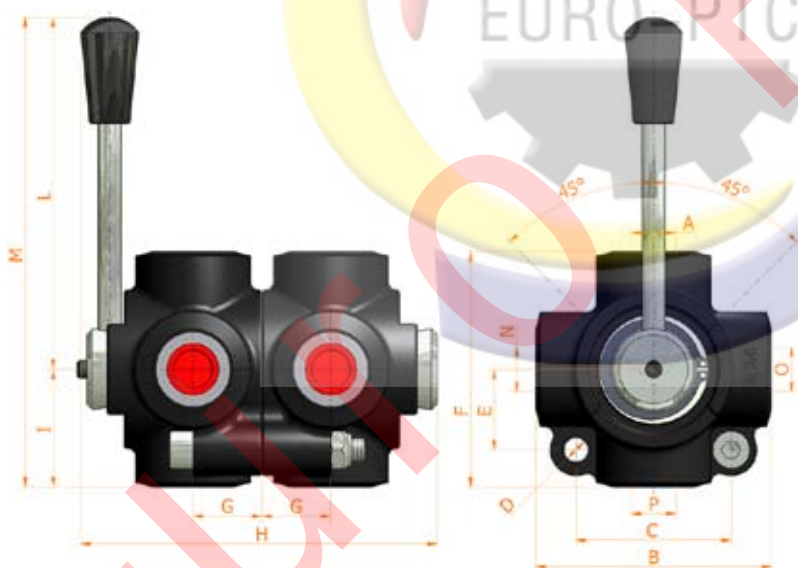
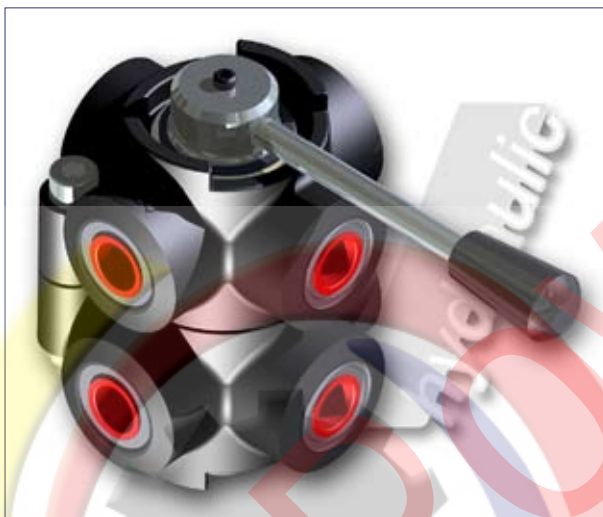
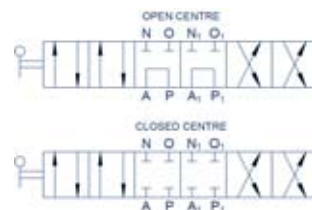
Specifications:

- Standard colour black

O-N-A GAS	FLOW litri/min	PRESSURE BAR	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	M mm	MASS KG	CODE OF OPEN CENTRE	CODE OF CLOSED CENTRE	L
1/4"	60	350	80	54	8,5	28	80	24	63	115	155	1,200	7001.0104	7001.0111	
3/8"	60	350	80	54	8,5	28	80	24	63	115	155	1,200	7001.0100	7001.0107	
1/2"	90	350	80	54	8,5	28	80	24	63	115	155	1,100	7001.0101	7001.0108	
3/4"	120	350	94	74	10,5	38	94	31	77	115	162	2,200	7001.0102	7001.0109	
1"	200	300	94	74	10,5	38	94	31	77	115	162	2,000	7001.0103	7001.0110	

D8

8 ways flow inverters



Specifications:

- Standard colour black

O-N-A GAS	FLOW litri/min	PRESSURE BAR	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	M mm	MASS KG	CODE OF OPEN CENTRE	CODE OF CLOSED CENTRE	L
1/4"	60+60	350	80	54	8,5	20	80	24	124	115	155	2,300	7005.0104	7005.0111	
3/8"	60+60	350	80	54	8,5	28	80	24	124	115	155	2,300	7005.0100	7005.0107	
1/2"	90+90	350	80	54	8,5	28	80	24	124	115	155	2,100	7005.0101	7005.0108	
3/4"	120+120	350	94	74	10,5	38	94	31	152	115	162	4,300	7005.0102	7005.0109	
1"	200+200	300	94	74	10,5	38	94	31	152	115	162	4,000	7005.0103	7005.0110	

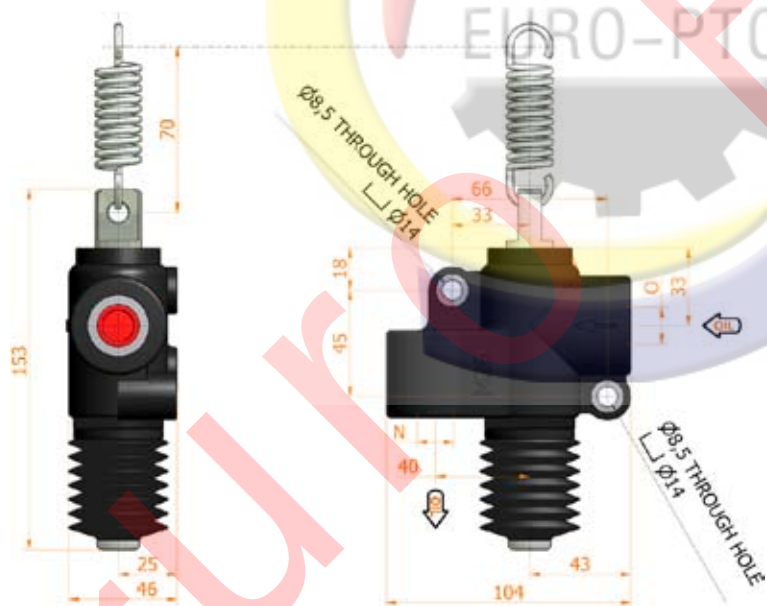
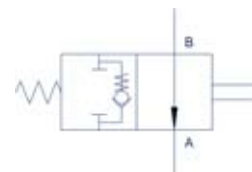
END STROKE VALVES





VFC 3/8-1/2-3/4 GAS na

normally open - 2 position
with mechanic control
for tipping trucks

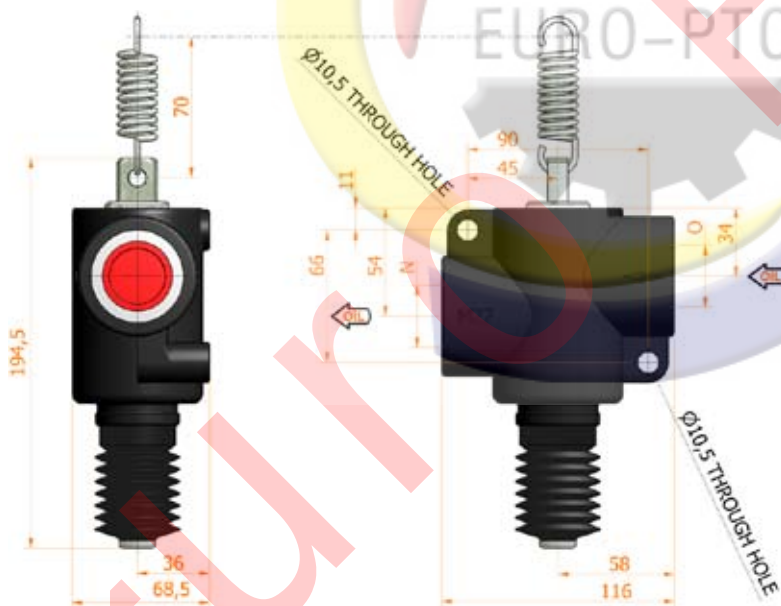
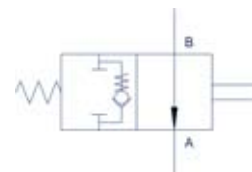

Specifications:

- Piston treated with **Niploy**
- Standard colour **black**

N-O GAS	A mm	B mm	C mm	D °	E °	FLOW litri/min	PRESSURE BAR		MASS KG	CODE	L
							WORK P.	MAX			
3/8 na	-	-	-	-	-	60	-	250	1,700	6200.0010	
1/2 na	-	-	-	-	-	80	-	250	1,800	6200.0012	
3/4 na	-	-	-	-	-	100	-	250	1,900	6200.0014	
											

VFC 1 GAS na

normally open - 2 position
with mechanic control
for tipping trucks



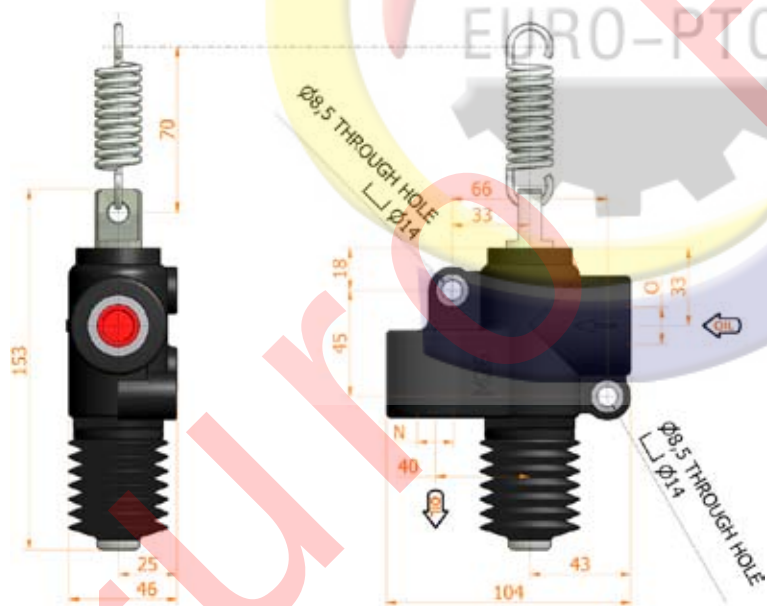
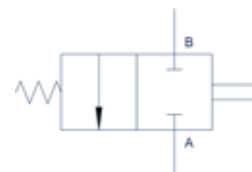
Specifications:

- Piston traited with **Niploy**
- Standard colour **black**

N-O GAS	A mm	B mm	C mm	D °	E °	FLOW litri/min	PRESSURE BAR		MASS KG	CODE	L
							WORK P.	MAX			
1 na	-	-	-	-	-	140	-	200	2,500	6200.0016	

VFC 3/8-1/2-3/4 GAS nc

normally closed - 2 position
with mechanic control
for tipping trucks

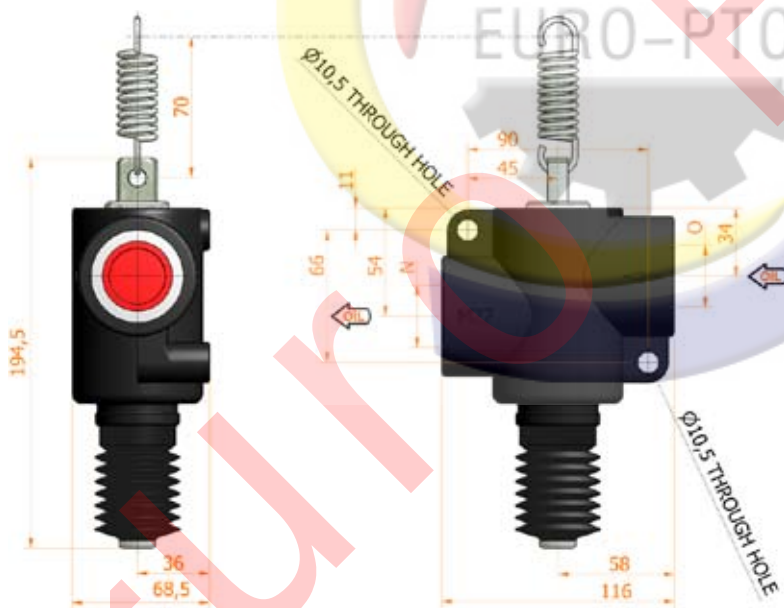
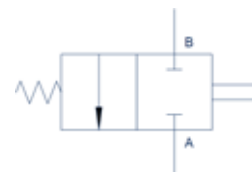

Specifications:

- Piston treated with **Niploy**
- Standard colour **black**

N-O GAS	A mm	B mm	C mm	D °	E °	FLOW litri/min	PRESSURE BAR		MASS KG	CODE	L
							WORK P.	MAX			
3/8 nc	-	-	-	-	-	60	-	250	1,700	6200.0011	
1/2 nc	-	-	-	-	-	80	-	250	1,800	6200.0013	
3/4 nc	-	-	-	-	-	100	-	250	1,900	6200.0015	
											

VFC 1 GAS nc

normally closed - 2 position
with mechanic control
for tipping trucks


Specifications:

- Piston traited with **Niploy**
- Standard colour **black**

N-O GAS	A mm	B mm	C mm	D °	E °	FLOW litri/min	PRESSURE BAR		MASS KG	CODE	L
							WORK P.	MAX			
1 nc	-	-	-	-	-	140	-	200	2,500	6200.0017	
											
											
											



HV Hydraulic S.r.l.

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