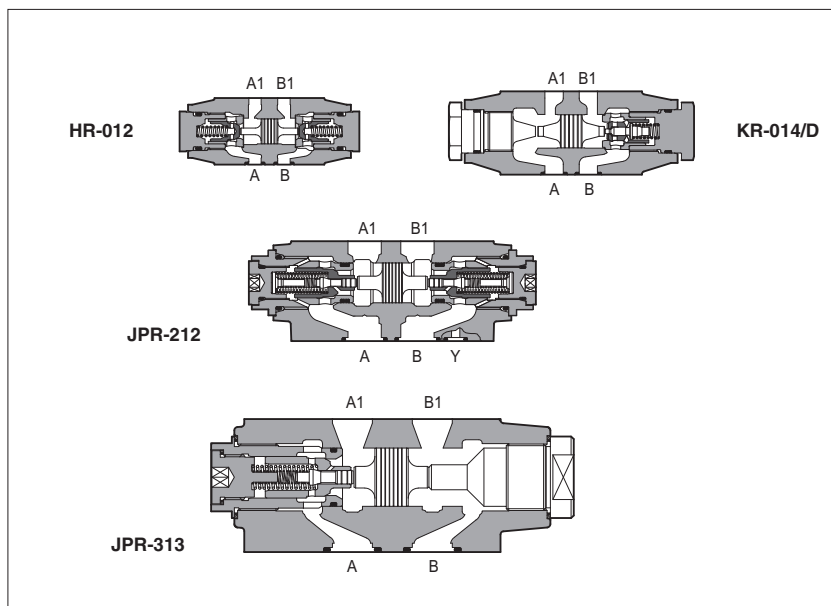


direct or pilot operated, ISO 4401 sizes 06, 10, 16 and 25



Valves are designed to operate in hydraulic systems with hydraulic mineral oil or synthetic fluid having similar lubricating characteristics.



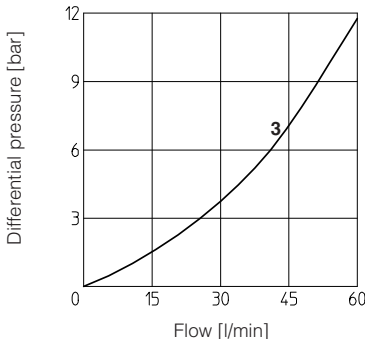
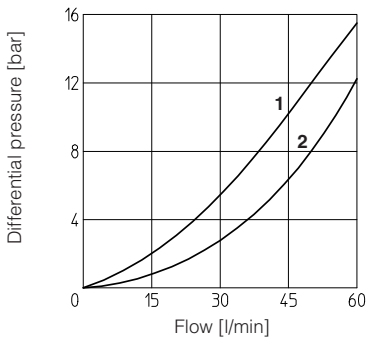
3 MAIN CHARACTERISTICS, SEALS and HYDRAULIC FLUID - for other fluids not included in below table, consult our technical office

Assembly position / location	Any position		
Subplate surface finishing	Roughness index Ra 0,4 - flatness ratio 0,01/100 (ISO 1101)		
MTTFd values according to EN ISO 13849	150 years, for further details see technical table P007		
Ambient temperature	Standard execution = -30°C ÷ +70°C /PE option = -20°C ÷ +70°C /BT option = -40°C ÷ +70°C		
Seals, recommended fluid temperature	NBR seals (standard) = -20°C ÷ +60°C, with HFC hydraulic fluids = -20°C ÷ +50°C FKM seals (/PE option)= -20°C ÷ +80°C HNBR seals (/BT option)= -40°C ÷ +60°C, with HFC hydraulic fluids = -40°C ÷ +50°C		
Recommended viscosity	15÷100 mm²/s - max allowed range 2.8 ÷ 500 mm²/s		
Fluid contamination class	ISO 4406 class 21/19/16 NAS 1638 class 10, in line filters of 25 µm (β10 ≥75 recommended)		
Hydraulic fluid	Suitable seals type	Classification	Ref. Standard
Mineral oils	NBR, FKM, HNBR	HL, HLP, HLPD, HVLP, HVLPD	DIN 51524
Flame resistant without water	FKM	HFDU, HFDR	ISO 12922
Flame resistant with water	NBR, HNBR	HFC	

4 DIAGRAMS OF HR-0 based on mineral oil ISO VG 46 at 50°C

Flow through check valve:

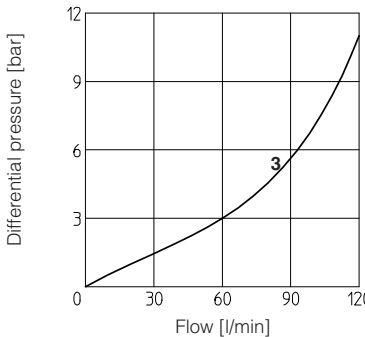
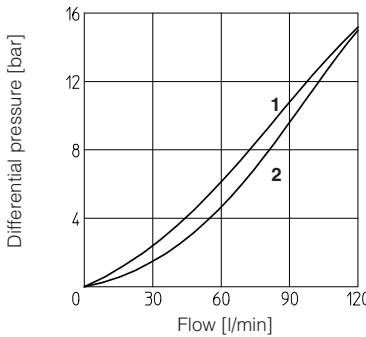
- 1** = A→A₁; B→B₁ of
HR-012, HR-013, HR-014
- 2** = A₁→A; B₁→B of
HR-012, HR-013, HR-014
- 3** = HR-011, HR-016



5 DIAGRAMS OF KR-0 based on mineral oil ISO VG 46 at 50°C

Flow through check valve:

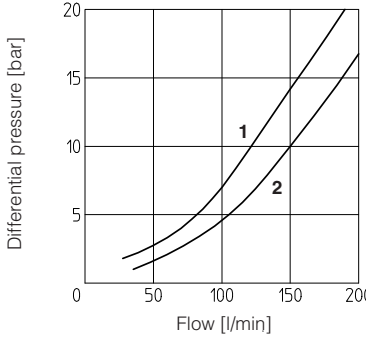
- 1** = A→A₁; B→B₁ of
KR-012, KR-013, KR-014
- 2** = A₁→A; B₁→B of
KR-012, KR-013, KR-014
- 3** = KR-011, KR-016



6 DIAGRAMS OF JPR-2 based on mineral oil ISO VG 46 at 50°C

Flow through check valve:

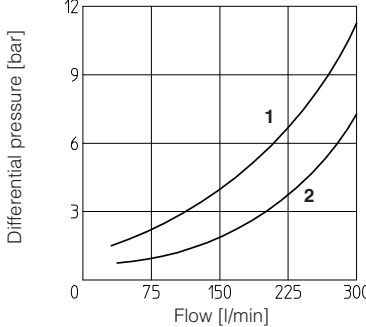
- 1** = A→A₁; B→B₁ of
JPR-212, JPR-213, JPR-214
- 2** = A₁→A; B₁→B of
JPR-212, JPR-213, JPR-214



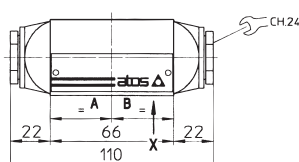
7 DIAGRAMS OF JPR-3 based on mineral oil ISO VG 46 at 50°C

Flow through check valve:

- 1** = A→A₁; B→B₁ of
JPR-312, JPR-313, JPR-314
- 2** = A₁→A; B₁→B of
JPR-312, JPR-313, JPR-314

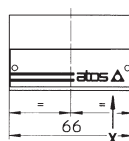


HR-002
HR-003
HR-004
HR-012
HR-013
HR-014

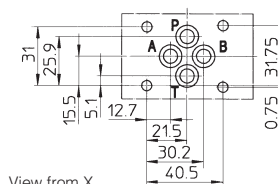


HR-011
HR-016

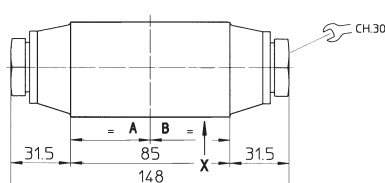
Technical drawing of a rectangular block. The width is labeled 45 and the height is labeled 07. The drawing includes a top view and a side view, with a dashed line indicating the hidden edge.



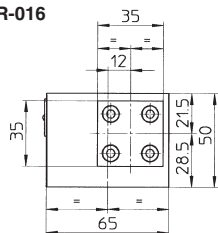
Seals: 4 OR 108



KR-012
KR-002
KR-003
KR-004
KR-013
KR-014



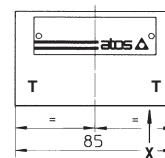
KR-016



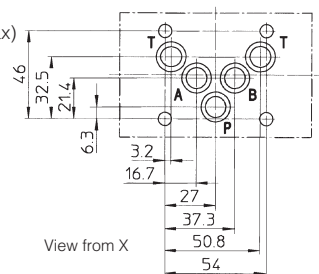
Technical drawing of a rectangular plate with a central slot. The plate has a total width of 130 and a total height of 10. The slot is centered horizontally, with a width of 42.5 on the left and 77.5 on the right. The slot is 120 units wide. The distance from the right edge of the slot to the right edge of the plate is labeled 'X'.

KR-011

Technical drawing of a rectangular object. The drawing shows a top view with a width of 65 and a height of 50. A vertical dashed line indicates a centerline or axis of symmetry.



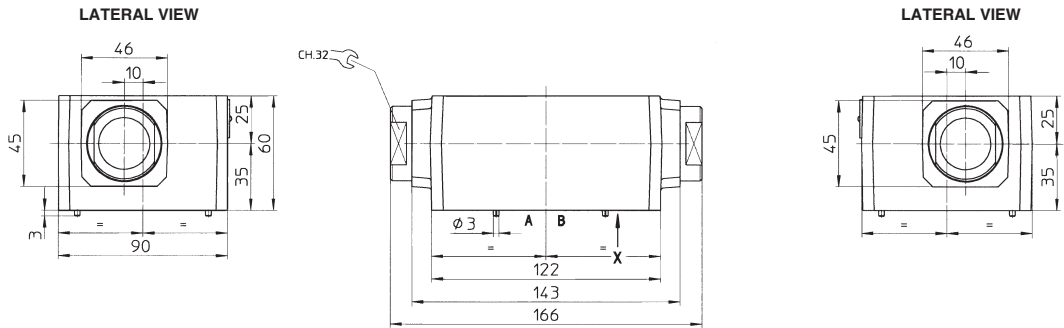
Seals: 5 OR 2050



ТОВ "Промислова Гідравліка": <https://promhydraulic.com.ua/ua/>
Телефонуйте: +380 (95) 670-15-32, +380 (98) 533-91-67, +380 (96) 244-48-42

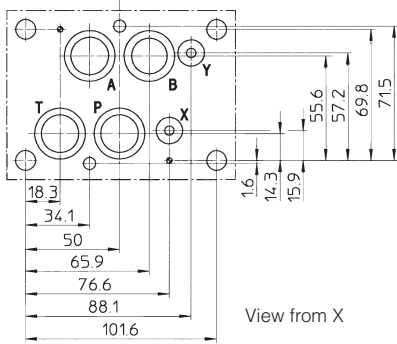
10 INSTALLATION DIMENSIONS OF JPR-2 VALVES [mm]

JPR-212
JPR-213
JPR-214



Mass: 4,4 Kg

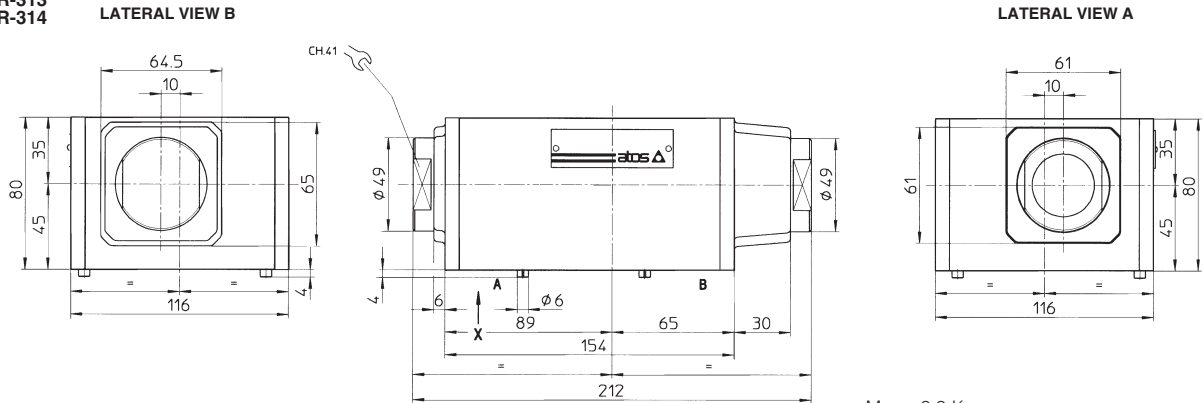
ISO 4401: 2005
Mounting surface: 4401-07-07-0-05
Diameter of ports A, B, P, T: $\varnothing = 20$ mm
Diameter of ports X, Y: $\varnothing = 7$ mm
Seals: 4 OR 130; 2 OR 109



Fastening bolts: n° 4 socket head screws M10 and n° 2 M6. The lenght depends on number and type of modular elements associated.

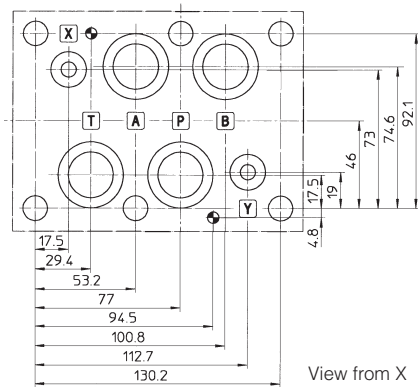
11 INSTALLATION DIMENSIONS OF JPR-3 VALVES [mm]

JPR-312
JPR-313
JPR-314



Mass: 9,9 Kg

ISO 4401: 2005
Mounting surface: 4401-08-08-0-05
Diameter of ports A, B, P, T: $\varnothing = 24$ mm
Diameter of ports X, Y: $\varnothing = 7$ mm
Seals: 4 OR 4112; 2 OR 3056



Fastening bolts: n° 6 socket head screws M12. The lenght depends on number and type of modular elements associated.