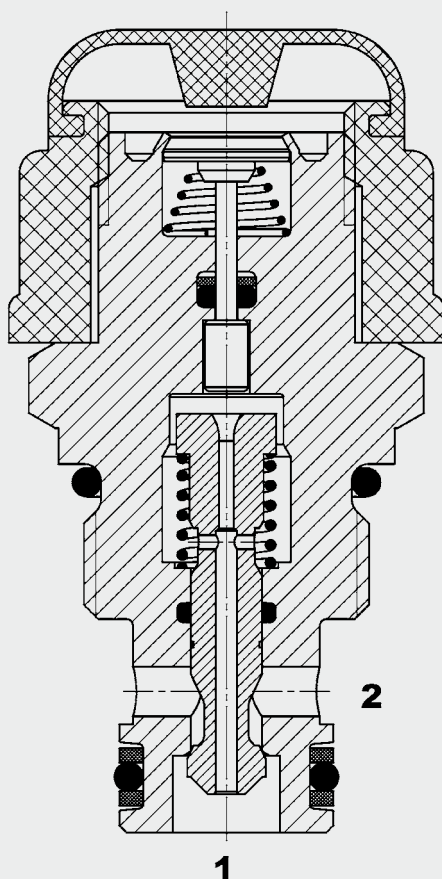


Up to 20 l/min
Up to 250 bar

FUNCTION



The directional valve WSM06020W...M is a normally closed, manually operated poppet valve.

The valve is operated manually and, as long as the mechanical plunger is pressed, allows flow between port 1 and port 2 in both directions.

2/2 Directional Poppet Valve Manually Operated, Normally Closed Metric Cartridge – 250 bar WSM06020W...M

FEATURES

- For use in systems to be controlled manually
- External surfaces zinc-plated and corrosion-proof
- Hardened and ground internal valve components to ensure minimal wear and extended service life
- Low pressure drop due to CFD optimized flow path

SPECIFICATIONS

Operating pressure	max. 250 bar
Nominal flow:	max. 20 l/min
Operating force:	Thumb pressure (approx. 40 - 70 N)
Internal leakage:	Leakage-free
Media operating temperature range:	min. -30 °C to max. +100 °C
Ambient temperature range:	min. -30 °C to max. +100 °C
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2
Viscosity range:	min. 7.4 mm ² /s to max. 420 mm ² /s
Filtration:	Class 21/19/16 according to ISO 4406 or cleaner
MTTF _d :	150 years (see "Conditions and instructions for valves" in brochure 5.300)
Installation:	No orientation restrictions
Materials:	Valve body: high tensile steel Poppet: hardened and ground steel Seals: NBR (standard) FKM (optional, media temperature range -20 °C to +120 °C) Back-up rings: PTFE
Cavity:	06020 metric
Weight:	0.09 kg

[illegible]

WSM06020W - 01 - C - N - M

Basic model _____
Directional poppet valve, metric

Type _____
01 = standard

Body and ports _____
C = cartridge

Seals _____
N = NBR (standard)
V = FPM

Type of operation _____
M = manual

Model code	Part No.
WSM06020W-01-C-N-M	3059183
Other models on request	

Code	Part No.	Material	Ports	Pressure
R06020-01X-01	275266	Steel, zinc-plated	G 3/8	420 bar
R06020-10X-01	276842	Steel, zinc-plated	G 3/8	420 bar
Other line bodies on request				

Code	Part No.
SEAL KIT 06020-NBR	3119017
SEAL KIT 06020-FKM	3262477

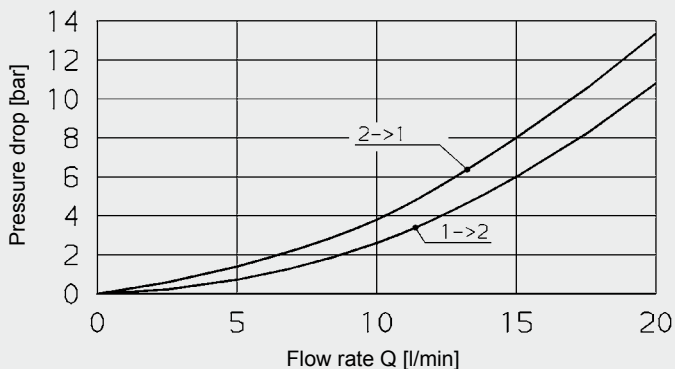
06020

Technical drawing of a countersink and reamer tool. The main view shows a tool with a cutting edge diameter of M20 x 1.5, a cutting edge length of 15mm, and a cutting edge radius of Ra1.6. The tool has a 60-degree cutting angle and a 1.3mm max. depth. The tool is labeled with '1' and '2' for different sections. A detail view 'X' shows a 30-degree angle with a 0.1mm surface finish and a 0.1-0.2mm radius. The tool is shown with a 28mm min. length and a 26mm fitting depth. The tool is labeled with 'Ra12.5 / (Ra3.2 / Ra1.6)' for the cutting edge surface finish.

Form tools	Part No.
Countersink MK3	170033
Reamer MK2	1000768

millimeter
subject to technical modifications

Measured at $\nu = 33 \text{ mm}^2/\text{s}$, $T_{\text{oil}} = 46 \text{ }^\circ\text{C}$



The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department.
Subject to technical modifications.

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