

Product Description

Look into these outstanding features:

- Compact construction. Low pressure drop.
- Long service life. High efficiency.
- Choice of various operation methods, such as manual, pneumatic, hydraulic, and electro-hydraulic.
- Choice of various ports and circuit valves.
- Spring return.
- High accuracy spool is hardened for long term accuracy.
- Sub-plate mounting.
- Handle shift operation.

Product Specification

Nominal Flow Rate		45 L/min (MB-2)
Operating Pressure (Maximum)	parallel or tandem circuit	250 bar
Back Pressure (Maximum)	on outlet port T	25 bar
Fluid Temperature Range	with NBR(BUNA-N) seals	from -20°C to 80°C
	with FPM(VITON) seal	from -20°C to 100°C
Viscosity	operating range	from 15 to 75 mm ² /s
	min.	12 mm ² /s
	max.	400 mm ² /s
Ambient Temperature Range		from -40°C to 60°C

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Product Specification

Nominal Flow Rate		45 L/min (MB-3)	12 US gpm
Operating Pressure (Maximum)	parallel or tandem circuit	315 bar	4600 psi
	series circuit	210 bar	3050 psi
Back Pressure (Maximum)	on outlet port T	25 bar	360 psi
Fluid Temperature Range	with NBR(BUNA-N) seals	from -20°C to 80°C	from -4 °C to 176°F
	with FPM(VITON) seal	from -20° C to 100°C	from -4°C to 212 °F
Viscosity	operating range	from 15 to 75 mm ² /s	from 15 to 75 cst
	min.	12 mm ² /s	12 cst
	max.	400 mm ² /s	400 cst
Ambient Temperature Range		from -40°C to 60°C	from -40°C to 140°F

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Product Specification

Nominal Flow Rate		60 L/min (MB-4)	16 US gpm
Operating Pressure (Maximum)	parallel or tandem circuit	315 bar	4600 psi
	series circuit	210 bar	3050 psi
Back Pressure (Maximum)	on outlet port T	25 bar	360 psi
Fluid Temperature Range	with NBR(BUNA-N) seals	from -20°C to 80°C	from -4°C to 176°F
	with FPM(VITON) seal	from -20°C to 100°C	from -4 °C to 212°F
Viscosity	operating range	from 15 to 75 mm ² /s	from 15 to 75 cst
	min.	12 mm ² /s	12 cst
	max.	400 mm ² /s	400 cst
Ambient Temperature Range		from -40°C to 60°C	from -40°C to 140°F