

Pressure reducing and relieving, direct acting spool type Special cavity, R/LA

MHDRDB



Description

Initially, flow passes freely from 2 to 1. When the pressure at 1 exceeds the pressure setting, the valve acts to restrict input flow at 2. This increases the pressure drop through the valve and maintains consistent pressure at 1. The spring chamber is drained at 3 to prevent a build-up of back-pressure against the spool. Additionally, if pressure at 1 rises above the pressure setting, flow is relieved to 3 until the setting is re-attained. An undesirable increase in pressure in main port 1 is additionally prevented by lifting the spring plate off the control spool. Tank pressure is additional to the spring setting.

Technical data

General		
Weight	0.17 kg (0.37 lbs)	
Installation position	Any	
Ambient temperature range	-20 to 80 °C (-4 to 176 °F)	
Hydraulic		
Max. operating pressure port 2	420 bar (6090 psi)	
Max. control pressure port 1	35, 40 bar (508, 580 psi)	
Max. tank pressure port 3	30 bar (435 psi)	
Max. flow	15 l/min. (4 gpm)	
Fluid temperature range	-20 to 100 °C (-4 to 212 °F) for FKM	
Fluids: Mineral-based or synth viscosities of 10 to 800 mm ² /s	etics with lubricating properties at 5 (cSt)	
Installation torque	54 - 66 (40 - 49 ft-lbs)	
Filtration	Class 20/18/15 ISO 4406	
Special cavity	R/LA see page RE 18325-75	
Load cycles	2 million	

Note: The valves are not provided with any surface protection.







RE 18318-55

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Ordering code



Preferred types

Туре	Material number	Туре	Material number
MHDRDB-04-K0-11/035VLA	R900641606		
MHDRDB 04 K0-11/040VLA	R900751628		

Characteristic curves



Dimensions

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