

Relief, direct acting guided poppet type Special cavity, M14x1

MHDBD 04



Description

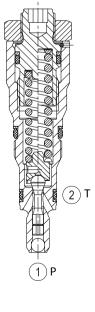
Flow is blocked from 1 to 2 until pressure increases to meet the selected valve setting, lifting the poppet from its seat and allowing relief flow through port 2 to tank. Pressure at port 2 is additive to the relief setting of the valve.

Technical data		
Max. operating pressure port 1 (P)	420 bar (6091 psi)	
Max. pressure admitted port 2 (T)	50 bar (725 psi)	
Max. flow	20 l/min (5,3 gpm)	
Max. internal leakage ¹⁾	2 cc/min.	
Fluid temperature range	-20 to 80 °C (-68 to 176 °F)	
Installation torque	23 - 28 Nm (17 - 21 ft-lbs)	
Weight ²⁾	0.18 kg (0.40 lbs)	
MTTFD	150 years see RE 18350-51	
Special cavity	R/DBD.4K	
Seal kit FKM ³⁾	Code: RG04R2070620100 R930094879	
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 10 to 800 mm²/s (cSt)	
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 20/18/15	
Installation position	No restrictions	
Other Technical Data	See data sheet 18350-50	

1) At 80% of pressure setting

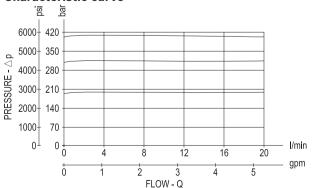
2) Standard version 03 type

3) Only external seals for 10 valves





Characteristic curve

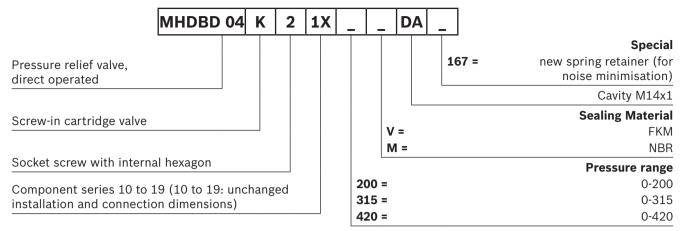


Curves referred to the version with standard spring guide

RE 18318-70

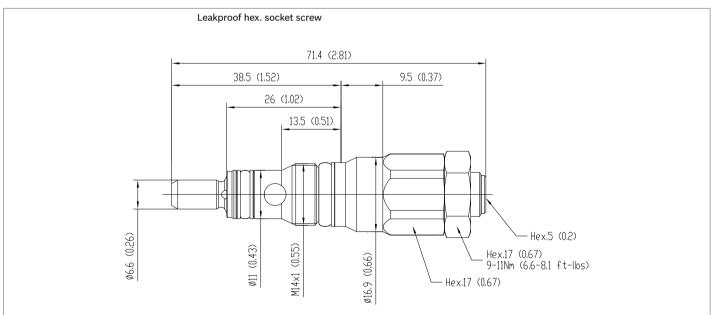
Edition: 08.2024

Ordering code



Туре	Material number	Туре	Material number
MHDBD 04 K2-1X/200VDA	R900859547	MHDBD 04 K2-1X/420VDA-167	R901385536
MHDBD 04 K2-1X/315VDA	R900859551	MHDBD-04-K2-1X/420VDA	R900853518

Dimensions



Bosch Rexroth Oil Control S.p.A.

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