

Description

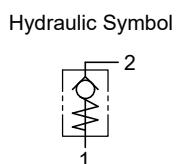
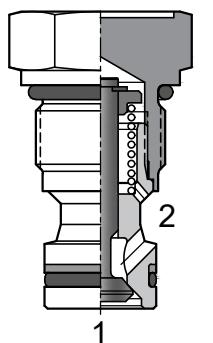
KSD Check valves are TWO port screw in cartridge valves that are designed to fit in a cavity conforming to ISO 7789

These are seat type valves, available in four different sizes and with five different cracking pressures in each size.

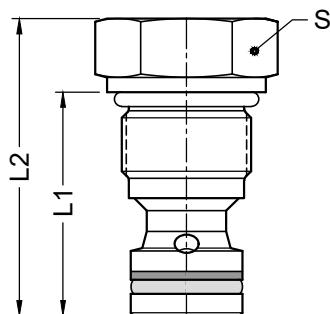
Reverse check valves allow free flow in one direction while providing leak free closure in reverse direction.



Section



Unit dimensions



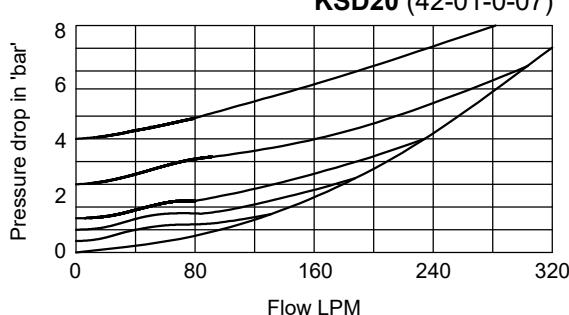
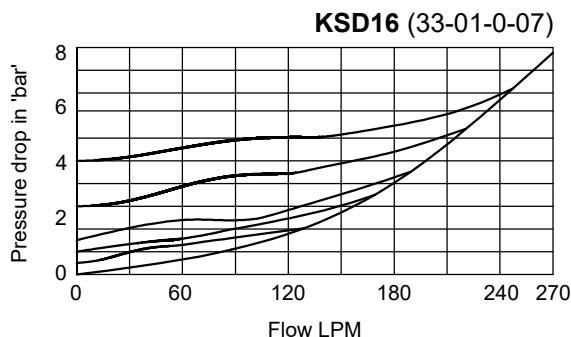
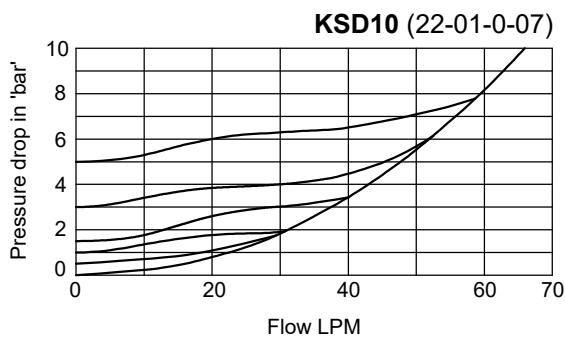
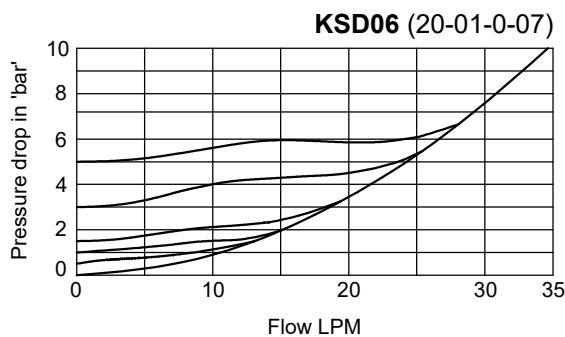
Part code	L1	L2	M	S	Torque
KSD06	30.0	42.0	M20	27	140 Nm
KSD10	38.0	50.5	M22	27	150 Nm
KSD16	49.5	74.5	M33	41	350 Nm
KSD20	55.5	85.0	M42	50	500 Nm

Technical Specifications

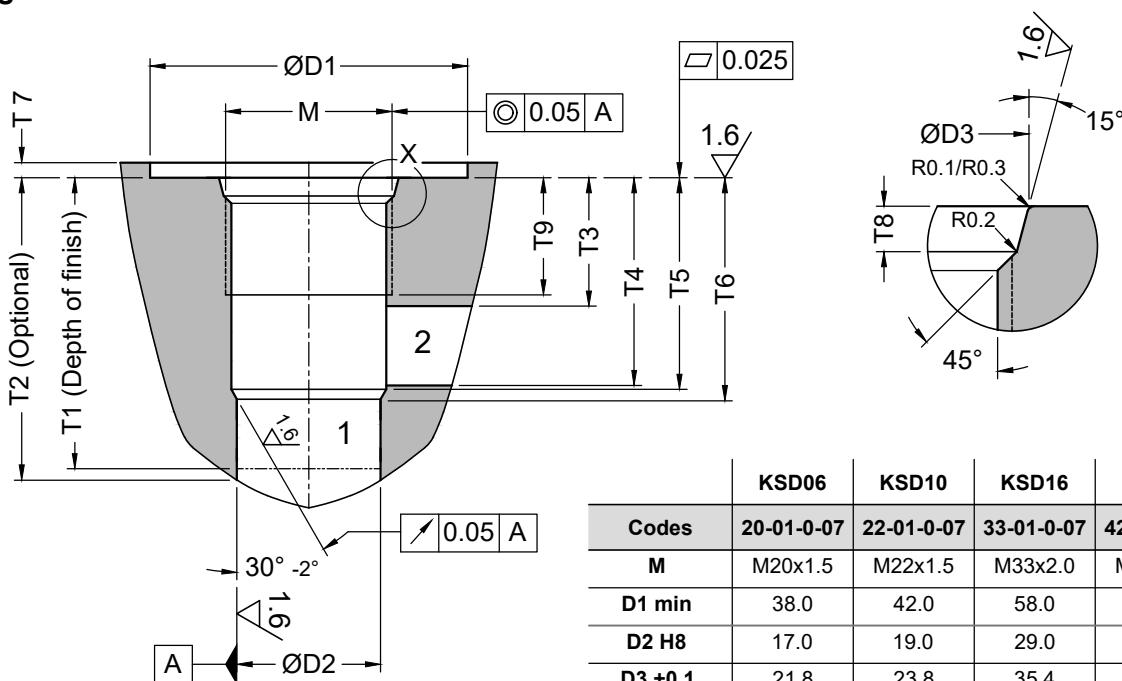
Construction	Poppet seat type
Mounting style	Screw in cavity as per ISO 7789
Mounting position	Optional
Flow direction	Free flow from 2 to 1
Operating pressure	350 bar

Hydraulic medium	Mineral oil.
Viscosity range	10 cSt to 380 cSt
Fluid temperature range	-20 °C to +80 °C.
Fluid cleanliness requirement	As per ISO 4406 20/18/15
Nom. flow handling capacity	Refer graphs

Performance curves - Testing as per ISO 6403. Oil used : ISO VG 68, Viscosity : 46 cSt @ 40 °C Direction of flow 2 to 1

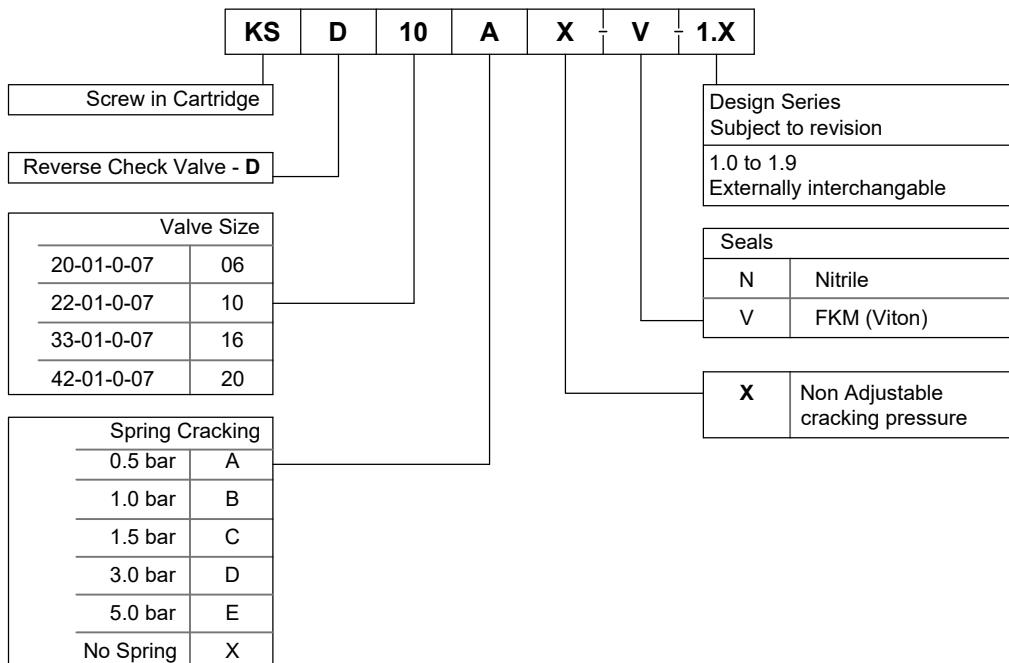


Cavity details



	KSD06	KSD10	KSD16	KSD20
Codes	20-01-0-07	22-01-0-07	33-01-0-07	42-01-0-07
M	M20x1.5	M22x1.5	M33x2.0	M42x2.0
D1 min	38.0	42.0	58.0	74.0
D2 H8	17.0	19.0	29.0	38.0
D3 +0.1	21.8	23.8	35.4	44.4
T1 min	30.5	38.5	50.0	56.0
T2 +1	32.0	40.0	52.0	58.0
T3 min	14.5	17.0	22.0	23.0
T4 max	20.5	27.5	38.5	43.5
T5 +0.4 (ref)	21.0	28.0	39.0	44.0
T6 +0.4	22.3	29.3	40.7	45.7
T7 max	2.0	2.0	2.5	2.5
T8 +0.4	2.4	2.4	3.1	3.1
T9 min	14.5	15.5	19.0	19.5

Ordering Code



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Subject to change without notice.

Due to continuous improvement in the design of the product, the actual product supplied may look different than shown above.