



The right connection
The right environment

Check Valve - Screw in cartridge KSC

Ref. No. H06925
Release: Aug 2020

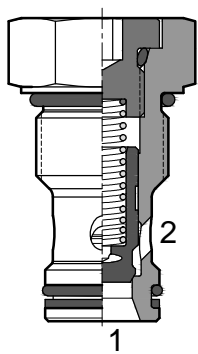
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Description

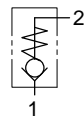
KSC Check valves are TWO port screw in cartridge valves that are designed to fit in a cavity conforming to ISO 7789. These are seat type valves, available in four different sizes and with five different cracking pressures in each size. Check valves allow free flow in one direction while providing leak free closure in reverse direction.



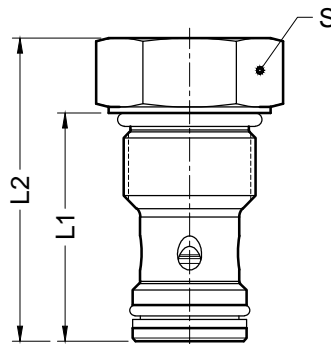
Section



Hydraulic Symbol



Unit dimensions

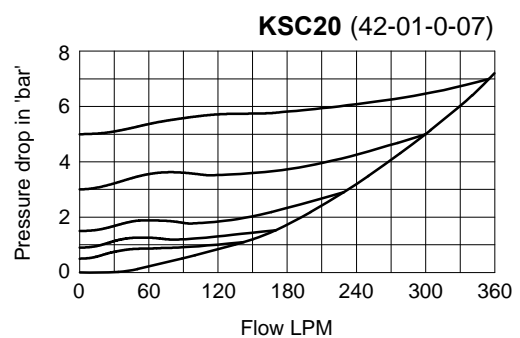
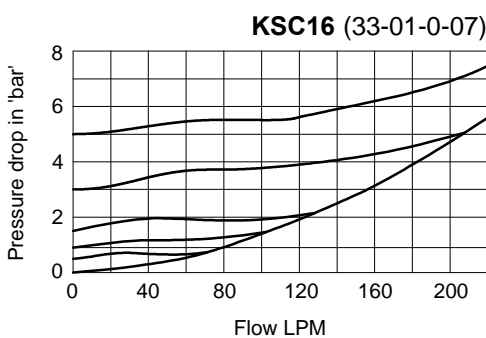
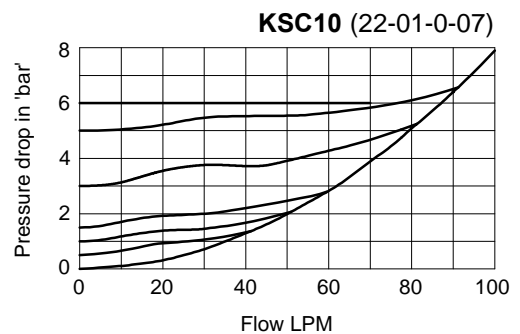
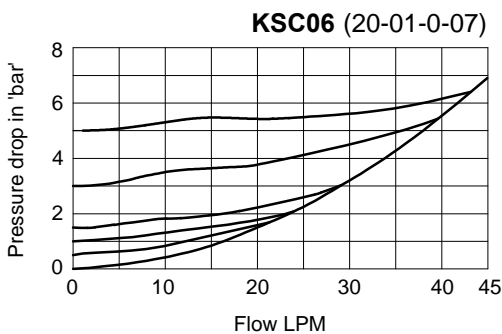


Part code	L1	L2	M	S	Torque
KSC06	30.0	41.5	M20	27	140 Nm
KSC10	38.0	52.5	M22	27	150 Nm
KSC16	49.5	81.5	M33	41	350 Nm
KSC20	55.0	91.0	M42	50	500 Nm

Technical Specifications

Construction ----- Poppet seat type	Hydraulic medium ----- Mineral oil.
Mounting style ----- Screw in cavity as per ISO 7789	Viscosity range ----- 10 cSt to 380 cSt
Mounting position ----- Optional	Fluid temperature range ----- -20 °C to +80 °C (With Nitrile seals)
Flow direction ----- Free flow from 1 to 2	-10 °C to +100 °C (With Viton seals)
Operating pressure ----- 350 bar	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 1 to 2





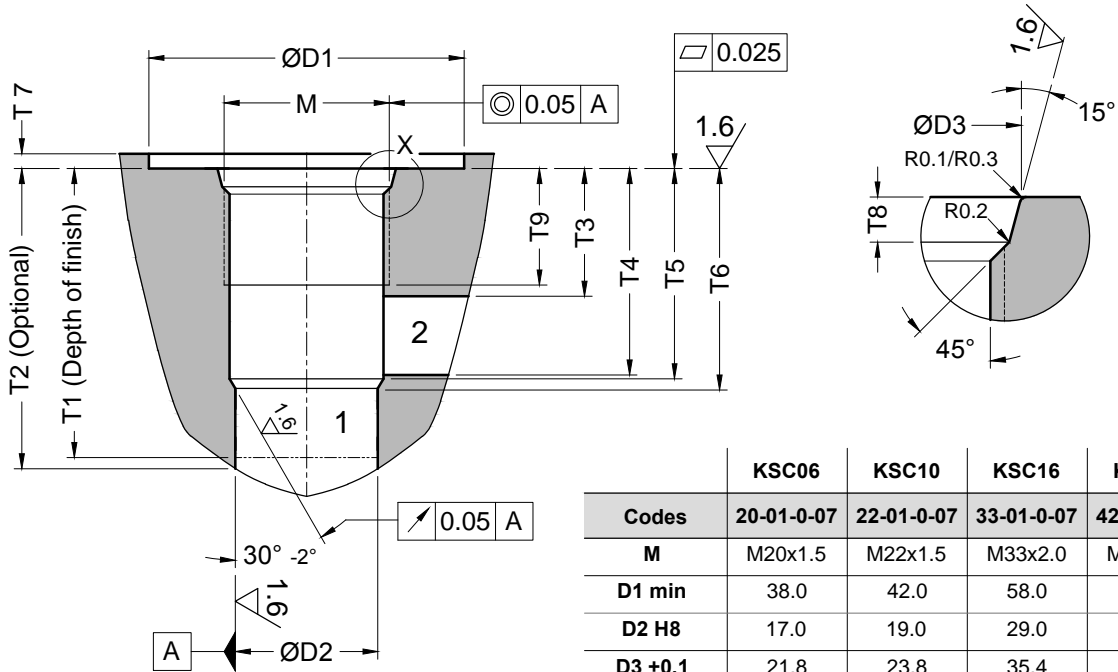
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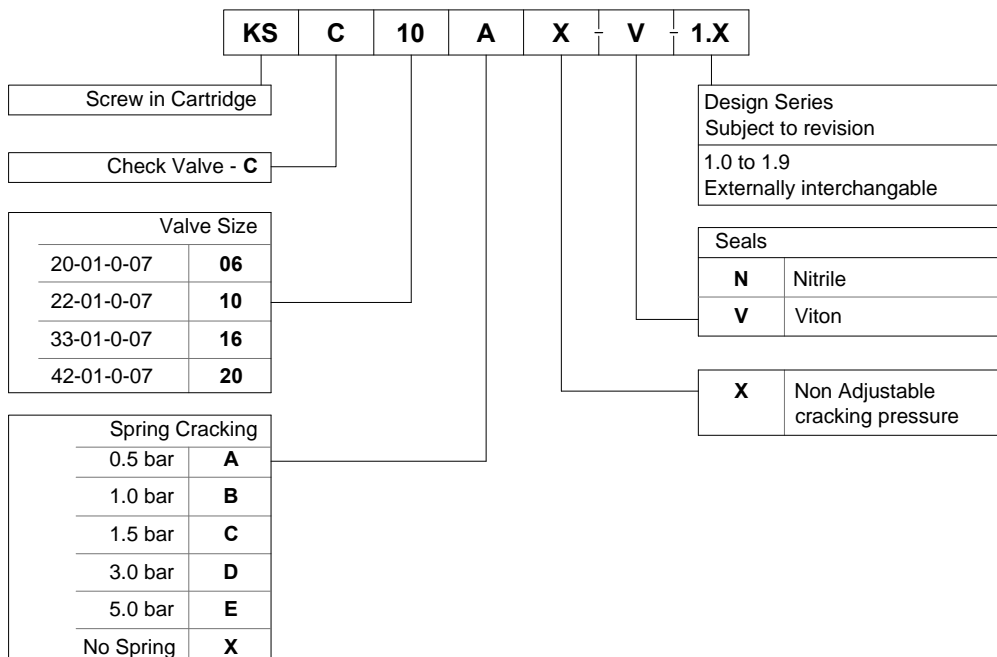
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Cavity details



	KSC06	KSC10	KSC16	KSC20
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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