TECHNICAL DATASHEET

CXC Screw-in Cartridge Valves

SAE-08 / 10 / 12 and M20 cavities, up to 350 bar



Our lead line. Relief, check, counterbalance and solenoid poppet cartridges in three SAE sizes and M20 × 1.5. Pair them with a CORVEX custom manifold and ship one tested unit.

350	24-80	16	7
bar max pressure	L/min flow range	models	days, SAE-10 and 12 R/C

Key features

- Relief (direct acting, 3 port), check (poppet), counterbalance (3:1), 2/2 solenoid poppet (normally closed)
- Up to 350 bar, flow 24-80 L/min depending on size
- NBR seals standard, Viton optional on counterbalance; tamper proof cap on request
- Cavities: SAE-08 (3/4-16 UNF), SAE-10 (7/8-14 UNF), SAE-12 (1 1/16-12 UN), M20 × 1.5
- Solenoid poppet: zero leakage, DC12/24V coil wound in house, manual override optional
- SAE-10 and SAE-12 relief and check valves stocked, 7 days

Typical applications. Mobile hydraulics, lifting and load holding, hydraulic power units, any custom manifold from our block range.

Specifications

MODEL	TYPE	CAVITY	BAR	L/MIN	KG	LEAD TIME
CXC-08-R	Cartridge relief valve, direct acting, 3 port	SAE-08 (3/4-16 UNF)	350	30	0.12	25-30 days
CXC-08-C	Cartridge check valve, poppet	SAE-08 (3/4-16 UNF)	350	30	0.12	25-30 days
CXC-08-B	Cartridge counterbalance valve, 3:1 ratio	SAE-08 (3/4-16 UNF)	350	24	0.12	25-30 days
CXC-08-S	Cartridge 2/2 solenoid poppet valve, normally closed	SAE-08 (3/4-16 UNF)	350	30	0.2	25-30 days
CXC-10-R	Cartridge relief valve, direct acting, 3 port	SAE-10 (7/8-14 UNF)	350	40	0.2	7 days
CXC-10-C	Cartridge check valve, poppet	SAE-10 (7/8-14 UNF)	350	40	0.2	7 days
CXC-10-B	Cartridge counterbalance valve, 3:1 ratio	SAE-10 (7/8-14 UNF)	350	32	0.2	25-30 days
CXC-10-S	Cartridge 2/2 solenoid poppet valve, normally closed	SAE-10 (7/8-14 UNF)	350	40	0.28	25-30 days
CXC-12-R	Cartridge relief valve, direct acting, 3 port	SAE-12 (1 1/16-12 UN)	350	80	0.35	7 days
CXC-12-C	Cartridge check valve, poppet	SAE-12 (1 1/16-12 UN)	350	80	0.35	7 days
CXC-12-B	Cartridge counterbalance valve, 3:1 ratio	SAE-12 (1 1/16-12 UN)	350	64	0.35	25-30 days
CXC-12-S	Cartridge 2/2 solenoid poppet valve, normally closed	SAE-12 (1 1/16-12 UN)	350	80	0.43	25-30 days
CXC-M20-R	Cartridge relief valve, direct acting, 3 port	M20 × 1.5	350	30	0.15	25-30 days
CXC-M20-C	Cartridge check valve, poppet	M20 × 1.5	350	30	0.15	25-30 days
CXC-M20-B	Cartridge counterbalance valve, 3:1 ratio	M20 × 1.5	350	24	0.15	25-30 days
CXC-M20-S	Cartridge 2/2 solenoid poppet valve, normally closed	M20 × 1.5	350	30	0.23	25-30 days

HOW TO ORDER — CXC-10-S-N-D24

CXC	**Series**	Screw-in cartridge valve
10	**Cavity**	08 = SAE-08, 10 = SAE-10, 12 = SAE-12, M20 = M20 × 1.5
S	**Function**	R relief, C check, B counterbalance 3:1, S 2/2 solenoid poppet
N	**Seal**	N = NBR standard, V = Viton (counterbalance)
D24	**Coil**	S type only: D12 or D24

Ordering note. Cartridge cavity drawings are available on request. Standard terms: no MOQ on standard valves, 18-month warranty, reply within 12 hours on working days.

Need a quote or a drawing?
Reply within 12 hours on working days.

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