

CHECK VALVE WITH CRACKING PRESSURE

CHECK VALVES



Features and Handling:

E CNT/DT

- CNT and DT Series are check valve with optional cracking pressure. The valves allow free flow in one direction and shut-off in the other direction. The valves come with flow rate ranges from 25L/min to 190 L/min and port size from 3/8" to 1-1/4".



Order Code

ECNT - T03 - C

Model CNT
Mounting T - Threaded Connection
Valve Size 03 - 3/8" 04 - 1/2" 06 - 3/4"
08 - 1" 10 - 1-1/4"

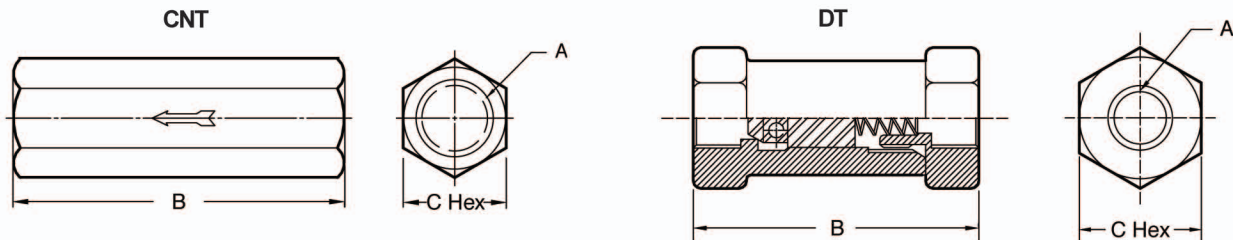
Cracking Pressure
C - 5.0 bar (70 psi)
B - 3.5 bar (50 psi)
A - 0.4 bar (5 psi)

EDTP - 03 - C

Model DT
Thread P - NPT Thread S - SAE Thread
Valve Size 03 - 3/8" 04 - 1/2" 06 - 3/4"
08 - 1" 10 - 1-1/4"

Cracking Pressure
C - 5.0 bar (70 psi)
B - 2.0 bar (30 psi)
A - 0.4 bar (5 psi)

Specifications and Installation Dimensions mm (inch):

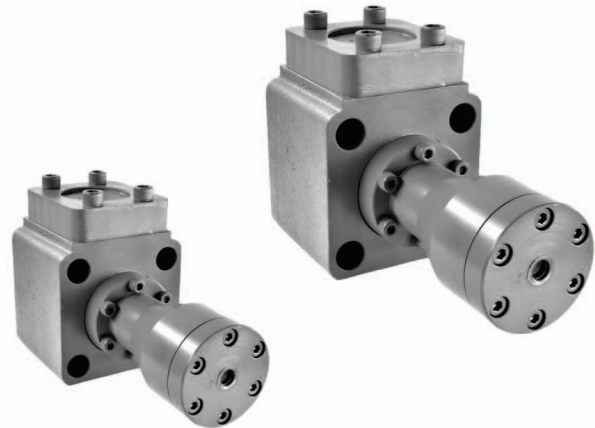


Model	Maximum Flow L/min (USgpm)	Maximum Pressure bar (psi)	Dimensions mm (inch)			Weight kg (lb)
			A Thread	B	C	
CNT-T03	30 (7.9)	210 (3000)	3/8" PT	70 (2.76)	27 (1.06)	0.20 (0.44)
CNT-T04	30 (7.9)		1/2" PT	70 (2.76)	27 (1.06)	0.40 (0.88)
CNT-T06	75 (19.8)		3/4" PT	95 (3.74)	38.6 (1.52)	0.78 (1.72)
CNT-T08	150 (39.6)		1" PT	113 (4.45)	53.6 (2.11)	1.20 (2.64)
CNT-T10	190 (50.1)		1-1/4" PT	130 (5.12)	63.5 (2.50)	2.80 (6.16)
DTP-03	25 (6.6)	315 (4500)	3/8" NPT	70 (2.76)	23.7 (0.93)	0.20 (0.44)
DTP-04	30 (7.9)		1/2" NPT	70 (2.76)	27 (1.06)	0.40 (0.88)
DTP-06	75 (19.8)		3/4" NPT	95 (3.74)	38.5 (1.52)	0.80 (1.76)
DTP-08	150 (39.6)		1" NPT	113.5 (4.47)	48 (1.89)	1.20 (2.64)
DTP-10	190 (50.1)		1-1/4" NPT	130 (5.12)	60 (2.36)	2.20 (4.84)
DTS-03	25 (6.6)	315 (4500)	3/8" SAE	70 (2.76)	23.7 (0.93)	0.20 (0.44)
DTS-04	30 (7.9)		1/2" SAE	70 (2.76)	27 (1.06)	0.40 (0.88)
DTS-06	75 (19.8)		3/4" SAE	95 (3.74)	38.5 (1.52)	0.80 (1.76)
DTS-08	150 (39.6)		1" SAE	113.5 (4.47)	48 (1.89)	1.20 (2.64)
DTS-10	190 (50.1)		1-1/4" SAE	130 (5.12)	60 (2.36)	2.20 (4.84)

Features and Handling:

E AD

- AD Series is pilot operated check valve which allows free flow in one direction (port A to port B) and prevent reverse flow in the reverse direction (port B to port A) until operated by a pilot pressure to allow free reverse flow. The pilot operation is worked by a control spool at port X.
- AD Series comes with decompression feature which allows rapid and smooth exhaust of the high pressured oil. The decomprssion feature works by having 2 poppets in the valve. The pilot poppet (small one) open first and followed by the main poppet (large one). The opening and closing time can be adjusted by adding a throttle valve or check valve in the pilot line before port X.
- All models come with the connection flanges for inlet port.
- The specified cracking pressure is required to open the valve to allow free flow direction. The cracking pressure of spring return of main poppet is 0.2 bar (2.9 psi)



- The maximum operating pressure :
 Port A : 16 bar (230 psi)
 Port B : 315 bar (4560 psi)
 Port X : 315 bar (4560 psi)

Order Code

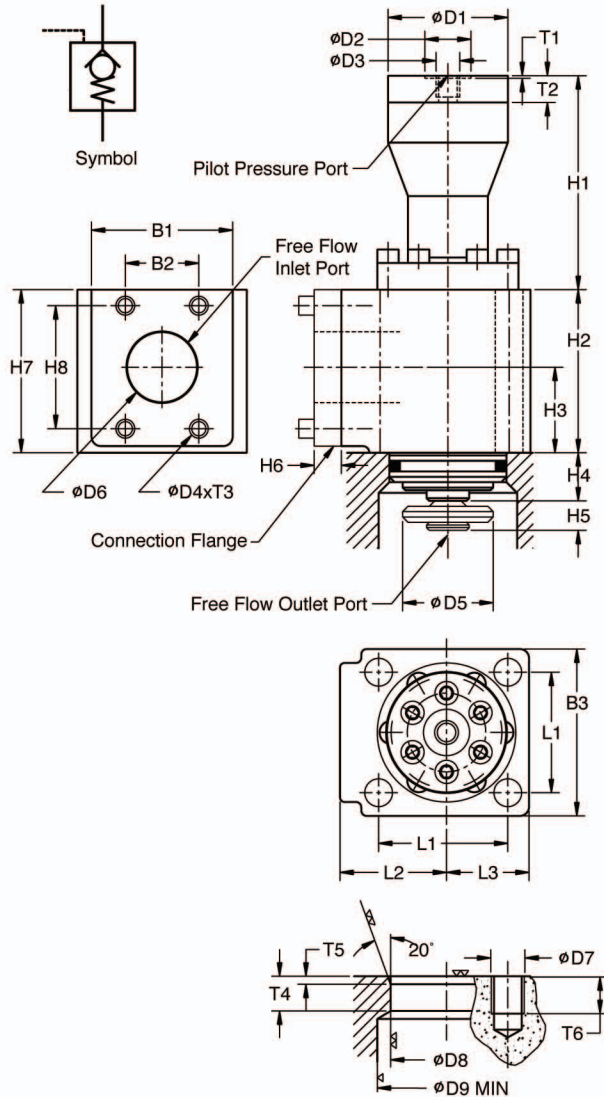
Model AD AD - 40 Inlet Port Size (mm)
40, 50, 63, 80

Specifications:

Model	Maximum Flow L/min (gpm)	Maximum Pressure bar (psi)	Inlet Port Size mm (inch)	Fixing Screw at Outlet Port mm (inch)	Weight kg (lb)
AD-40	300 (76)	210 (3000)	40 (1.5)	M16x130 (5.12)	10 (22.0)
AD-50	470 (120)	210 (3000)	50 (2.0)	M20x140 (5.51)	19 (41.8)
AD-63	740 (189)	210 (3000)	63 (2.5)	M24x180 (7.09)	29 (63.8)
AD-80	1200 (306)	210 (3000)	76 (3.0)	M30x200 (7.87)	50 (110.0)

Installation Dimensions mm (inch):

E AD



Model	AD-40	AD-50	AD-63	AD-80
B1	70 (2.8)	100 (3.9)	115 (4.5)	115 (4.5)
B2	43 (1.7)	51 (2.0)	62 (2.4)	62 (2.4)
B3	100 (3.9)	120 (4.7)	145 (5.7)	180 (7.1)
D1	72 (2.8)	87 (3.4)	105 (4.1)	132 (5.2)
D2	34 (1.3)	34 (1.3)	34 (1.3)	42 (1.7)
D3	1/2" BSP	1/2" BSP	1/2" BSP	1/2" BSP
D4	M12	M12	M16	M16
D5	52 (2.0)	67 (2.6)	82 (3.2)	102 (4.0)
D6	40 (1.6)	50 (2.0)	63 (2.5)	76 (3.0)
D7	M16	M20	M24	M30
D8	62 (2.4)	80 (3.1)	95 (3.7)	115 (4.5)
D9	66 (2.6)	84 (3.3)	104 (4.1)	130 (5.1)
H1	127 (5.0)	157 (6.2)	185 (7.3)	237 (9.3)
H2	103 (4.1)	113 (4.4)	139 (5.5)	160 (6.3)
H3	53 (2.1)	58 (2.3)	72 (2.8)	78 (3.1)
H4	30 (1.2)	38 (1.5)	40 (1.6)	43 (1.7)
H5	10 (0.4)	12 (0.5)	15 (0.6)	20 (0.8)
H6	15 (0.6)	27 (1.1)	30 (1.2)	30 (1.2)
H7	100 (3.9)	110 (4.3)	135 (5.3)	150 (5.9)
H8	78 (3.1)	89 (3.5)	107 (4.2)	107 (4.2)
L1	75 (3.0)	90 (3.5)	105 (4.1)	130 (5.1)
L2	65 (2.6)	75 (3.0)	90 (3.5)	102 (4.0)
L3	50 (2.0)	60 (2.4)	73 (2.9)	90 (3.5)
T1	1 (0.0)	1 (0.0)	1 (0.0)	1 (0.0)
T2	15 (0.6)	15 (0.6)	15 (0.6)	17 (0.7)
T3	18 (0.7)	18 (0.7)	25 (1.0)	25 (1.0)
T4	20 (0.8)	25 (1.0)	25 (1.0)	30 (1.2)
T5	4 (0.2)	5 (0.2)	5 (0.2)	5 (0.2)
T6	27 (1.1)	27 (1.1)	42 (1.7)	45 (1.8)