

Check Valves

Max. Pressure 21 MPa



CIT Type



CRG Type

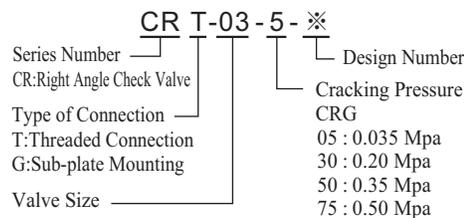
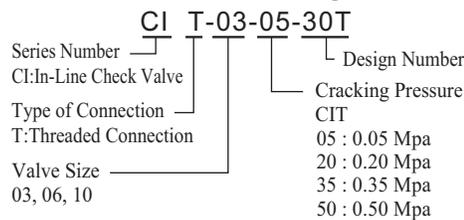
These valves allow free flow in one direction and prevent flow in the reverse direction. Cracking pressure specified is the pressure required to open the valve and allow free flow.

Ratings

Valve Size	Model No.	Rated Flow L/min	Cracking Pressure MPa (kgf/cm ²)	Mass kg
3/8	CIT-03-※-30T	30	0.05 (0.5) 0.2 (2) 0.35 (3.5) 0.50 (5)	0.18
3/4	CIT-06-※-30T	80		0.48
1-1/4	CIT-10-※-30T	200		1.75
3/8	CRT-03-※-31	30	0.035 (0.35) 0.2 (2) 0.35 (3.5) 0.5 (5)	0.8
3/8	CRG-03-※-30	30		2.3
3/4	CRG-06-※-30	100		4.1
1-1/4	CRG-10-※-30	250		7.8

*There is 50T design for CRG series, that is ISO 5781 mounting dimension, Please contact our sales people for details.

Model Number Designation



Graphic Symbol



Sub-plate

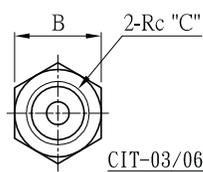
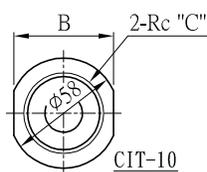
Valve Model No.	Sub-plate Model No.	Piping Size Rc	Mass kg
CRG-03	CRGM-03-30	Rc 3/8	0.9
CRG-06	CRGM-06-30	Rc 3/4	2.7
CRG-10	CRGM-10-30	Rc 1-1/4	6.6

Sub-plates are available. When ordering, please specify sub-plate model no. from the table above. For dimension of the sub-plate. Please see page 114.

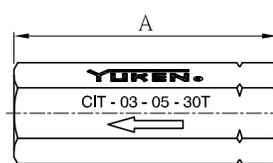
Mounting Bolts (Attachment)

Model No.	Socket Head Cap Screw	Qty	Tightening Torque N·m
CRG-03	M10 x 60Lg	4	60 ~ 74
CRG-06	M16 x 60Lg	4	253 ~ 310
CRG-10	M20 x 75Lg	4	493 ~ 603

CIT-03, 06, 10



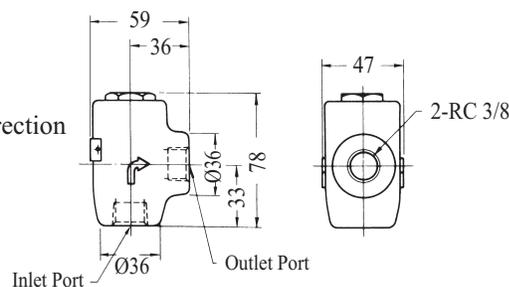
Free Flow Direction



Model No.	A	B	C
CIT-03	70	23	3/8
CIT-06	90	35	3/4
CIT-10	133	53	1-1/4

CRT-03

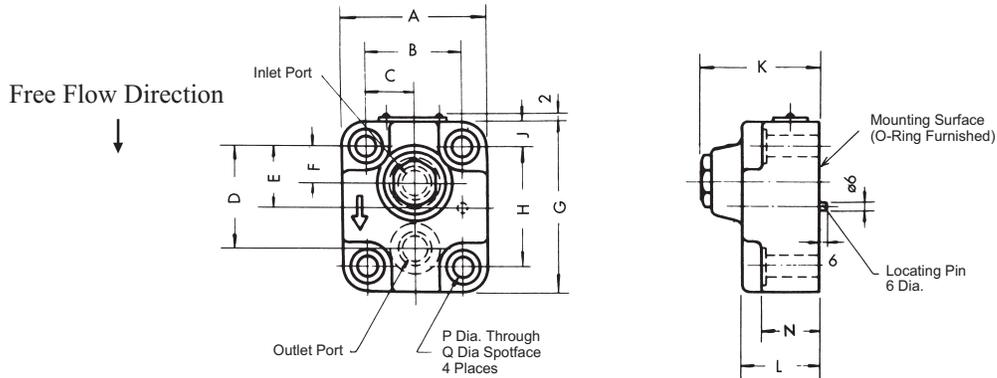
Free Flow Direction



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CRG-03, 06, 10

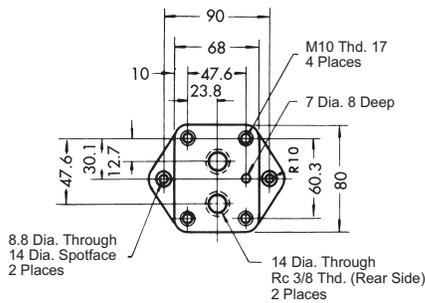


Model No.	A	B	C	D	E	F	G	H	J	K	L	N	P	Q
CRG-03	68	47.6	23.8	47.6	30.1	12.7	80	60.3	10	72	55	46	11	17.5
CRG-06	98	65.1	32.6	68.2	40.5	22.2	114	80.9	16.5	81	53	38	17.5	26
CRG-10	130	92.1	46.1	71.4	46	20.6	130	92.1	19	96	65	47	21.5	32

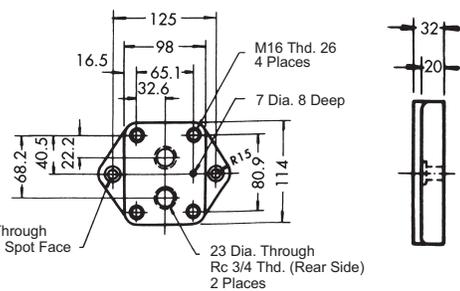
Note: For dimensions of valve's mounting surface, please refer to the diagram below.

Sub-plate

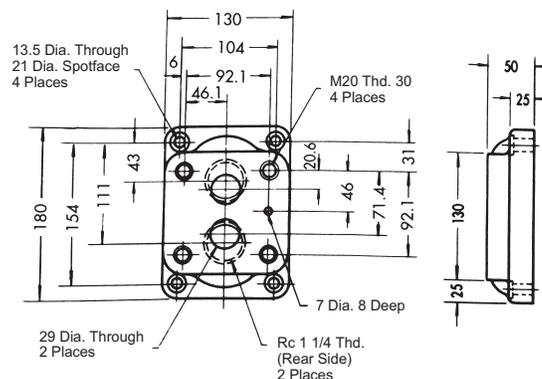
CRGM-03-30



CRGM-06-30



CRGM-10-30



Pilot Controlled Check Valves Max. Pressure 25 MPa



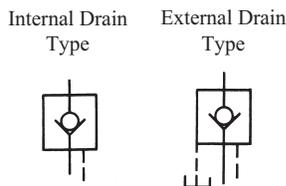
These check valves allow free flow in one direction and prevent reverse flow in the reverse direction until operated by a pilot pressure to allow free reverse flow. The specified cracking pressure is required to open the valve to allow free flow direction.

D

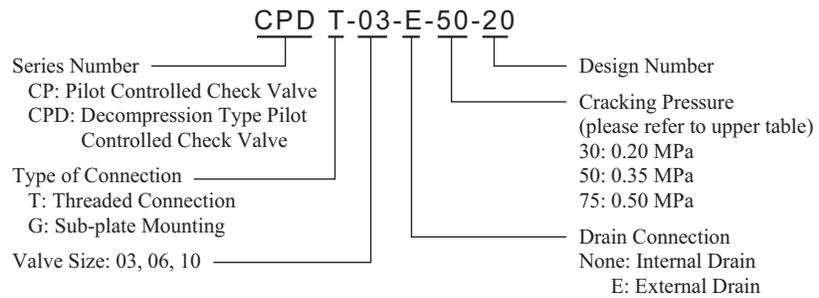
Ratings

Valve Size	Model No.		Rated Flow L/min	Cracking Pressure MPa (kgf/cm ²)	Mass kg	
	Threaded	Sub-plate			Threaded	Sub-Plate
3/8	CP※T-03-※-※-20	CP※G-03-※-※-20	50	0.20 (2)	3.4	4.5
3/4	CP※T-06-※-※-20	CP※G-06-※-※-20	125	0.35 (3.5)	5.2	7
1-1/4	CP※T-10-※-※-20	CP※G-10-※-※-20	315	0.50 (5)	11.6	12

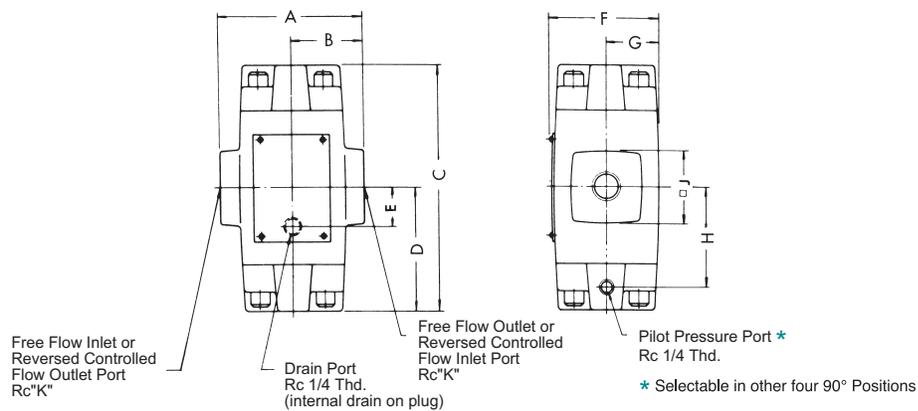
Graphic Symbol



Model Number Designation



CPT -03, 06, 10
CPDT



Model No.	A	B	C	D	E	F	G	H	J	K
CP※T-03	80	40	144	72	21	66	32	58	36	3/8
CP※T-06	96	48	168	84	26	78	38	70	60	3/4
CP※T-10	140	70	208	104	35	92	45	84	79	1-1/4

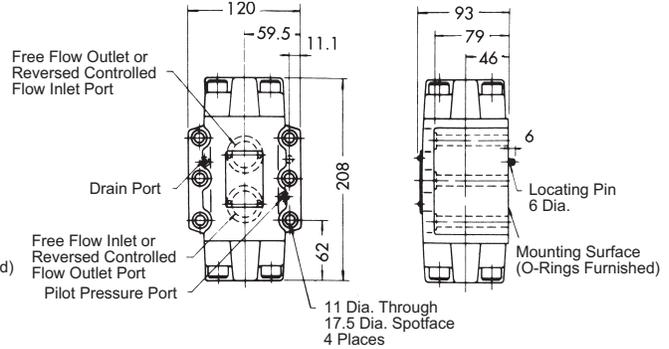
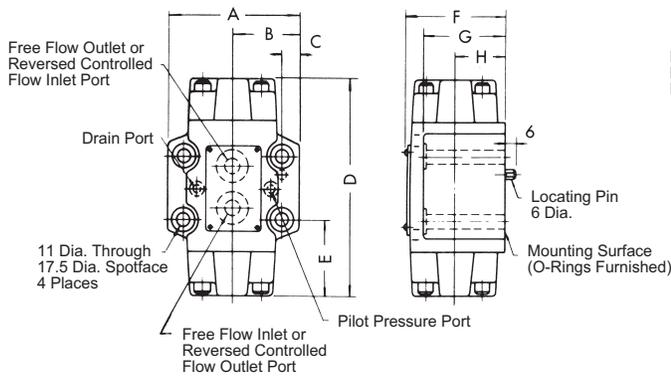
Pilot Controlled Check Valves

Max. Pressure 25 MPa

D

CPG -03, 06
CPDG

CPG -10
CPDG



Model No.	A	B	C	D	E	F	G	H
CP※G-03	90	44.5	11.1	144	50.6	68	59	35
CP※G-06	102	51	11.3	168	54	80	69	40

Note: For dimensions of mounting surface, please refer to HGM type sub-plate (page 66).

Sub-plate

Valve Model no.	Sub-plate Model No.	Piping Size Rc	Mass kg
CPG -03 CPDG	HGM-03-20	3/8	1.6
	HGM-03X-20	1/2	1.6
CPG -06 CPDG	HGM-06-20	3/4	2.4
	HGM-06X-20	1	3.0
CPG -10 CPDG	HGM-10-20	1-1/4	4.8
	HGM-10X-20	1-1/2	5.7

Sub-plates are available. When ordering, please specify sub-plate model no. from the table above. Please refer to page 66.

Mounting Bolts (Attachment)

Model No.	Socket Head Cap Screw	Q'ty.	Tightening Torque N•m
CP※G-03	M10 x 70 Lg	4	60 ~74
CP※G-06	M10 x 80 Lg	4	
CP※G-10	M10 x 90 Lg	6	