

CRT/CRG

Right Angle Check Valves
Sizes: 03, 06, 10
Max. flow: 40, 125, 250 l/min
Max. working pressure: 250 Bar



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Introduction

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.

Specifications

Type of Connection	Model Numbers	Rated Flow* L/min	Max. Operating pressure bar (PSI)	Cracking pressure bar (PSI)	Weight (kg)
Threaded Connection	CRT-03-*-50T	40	250 (3630)	0.4 (6)	0.9
	CRT-06-*-50T	125		3.5 (50)	1.7
	CRT-10-*-50T	250		5 (70)	5.6
Sub-plate Mounting	CRG-03-*-50T	40	250 (3630)	0.4 (6)	1.7
	CRG-06-*-50T	125		3.5 (50)	2.9
	CRG-10-*-50T	250		5 (70)	5.5

*Rated flow is the approximate flow rate, when there is a free flow pressure drop of maximum 3 bar (44 PSI), the fluid has a specific gravity of 0.85 and a kinematic viscosity of 20 mm²/s, and the cracking pressure is 0.4 bar (6 PSI).

Ordering code

	CR	G			
Right angle one way valve	= CR				
Connection type Threaded connection subplate mounting		= T = G			
Sizes 03 06 10			= 03 = 06 = 10		
Cracking pressure Bar (PSI) 0.4 (6) 3.5 (50) 5 (70)				= 04 = 35 = 50	
Design number					= 50T

Subplate

Model Numbers	Sub-plate Model Numbers	Thread Size	Weight kg
CRG-03	CRGM-03-50	Rc 3/8	1.6
	CRGM-03X-50	Rc 1/2	1.6
CRG-06	CRGM-06-50	Rc 3/4	2.4
	CRGM-06X-50	Rc 1	3.0
CRG-10	CRGM-10-50	Rc 1-1/4	4.8
	CRGM-10X-50	Rc 1-1/2	5.7

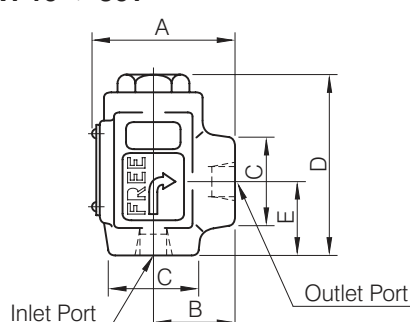
Sub-plates are available. Specify the sub-plate model number from the table above. When sub-plates are not used, the mounting surface should have a good machined finish.



Unit Dimensions

(Dimensions in mm)

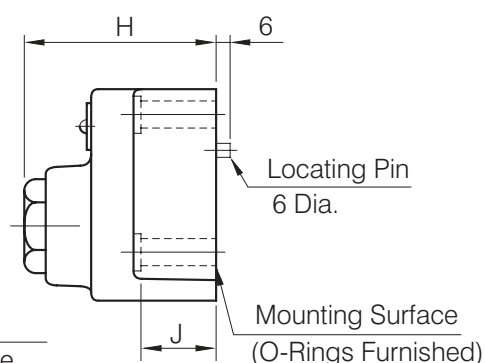
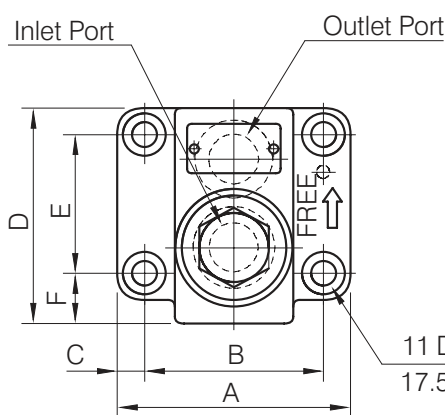
CRT-03-*-50T
CRT-06-*-50T
CRT-10-*-50T



"H" Thd.
2 Places

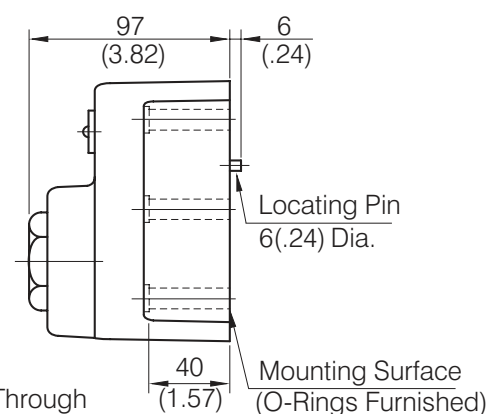
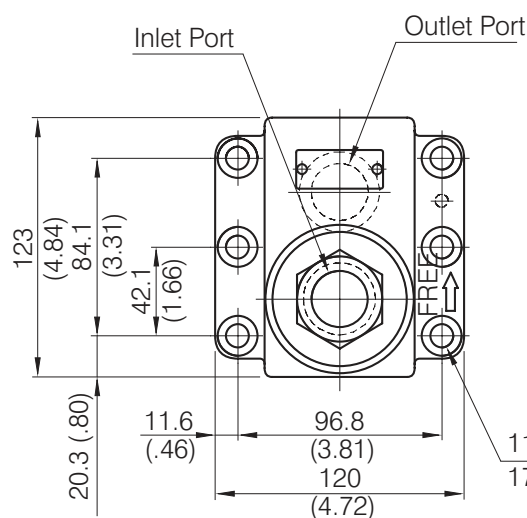
Model Numbers	Dimensions in mm						"H" Thd.
	A	B	C	D	E	F	
CRT-03-*-50	62	36	38 Dia	80.5	33	44	Rc 3/8
CRT-06-*-50	74	45	54 Dia	104.5	49	54	Rc 3/4
CRT-10-*-50	107	65	80 SQ.	130	65	80	Rc 1-1/4

CRG-03-*-50T
CRG-06-*-50T



Model Numbers	Dimensions in mm								Mounting surface
	A	B	C	D	E	H	F	J	
CRG-03	90	66.7	11.7	72	42.9	17.5	72.5	30	ISO 5781-AG-06-2-A
CRG-06	102	79.4	11.3	93	60.3	21.4	84.5	35	ISO 5781-AH-08-2-A

CRG-10-*-50T

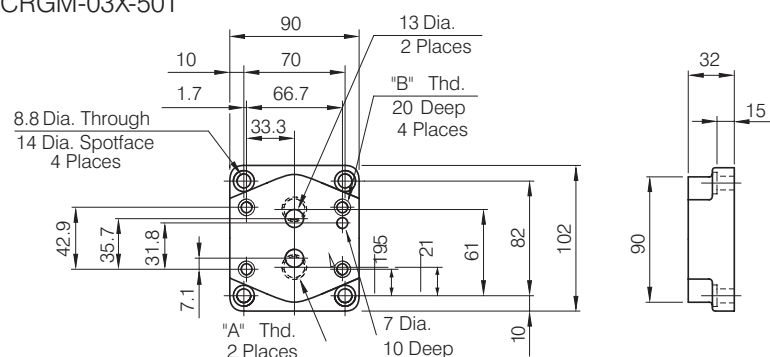




Subplate Dimensions

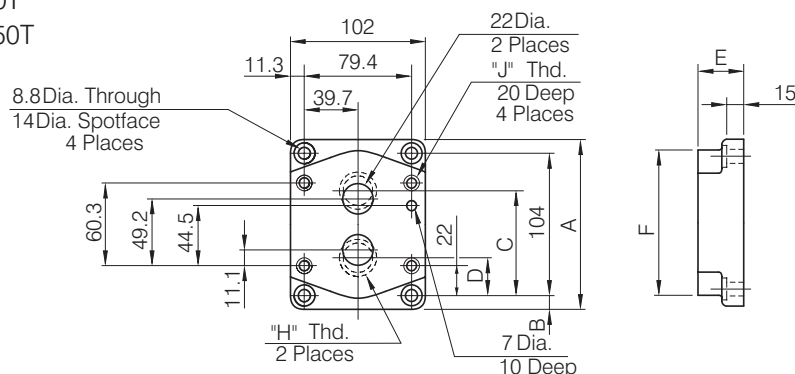
(Dimensions in mm)

CRGM-03-50T
CRGM-03X-50T



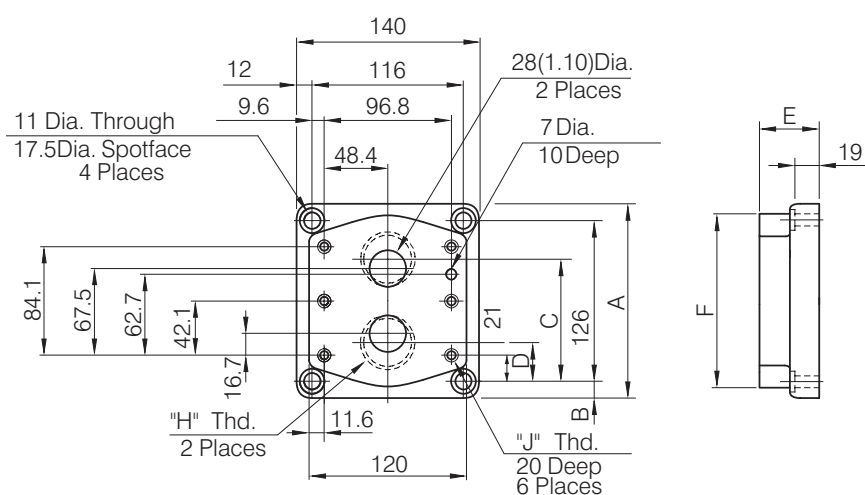
Sub-plate Model Numbers	Thread Size	
	"A" Thd.	"B" Thd.
CRGM-03-50	Rc 3/8	M10
CRGM-03X-50	Rc 1/2	

CRGM-06-50T
CRGM-06X-50T



Sub-plate Model Numbers	Dimensions in mm						Thread Size	
	A	B	C	D	E	F	"H" Thd.	"J" Thd.
CRGM-06-50	124	10	77	27	36	110	Rc 3/4	M10
CRGM-06X-50	136	16	82.3	22	45	130	Rc 1	

CRGM-10-50T
CRGM-10X-50T



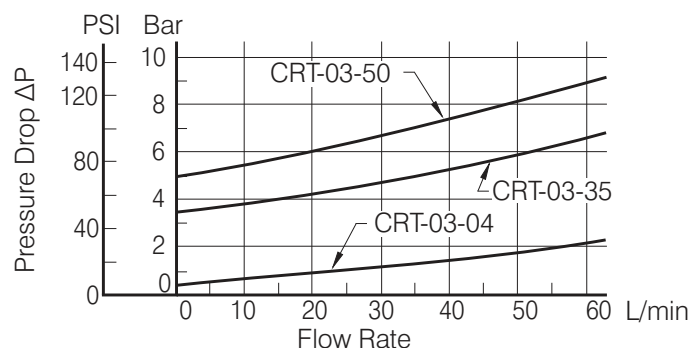
Sub-plate Model Numbers	Dimensions in mm						Thread Size	
	A	B	C	D	E	F	"H" Thd.	"J" Thd.
CRGM-10-50	150	12	96	30	45	135	Rc 1-1/4	M10
CRGM-10X-50	177	25.5	104	22	50	167	Rc 1-1/2	



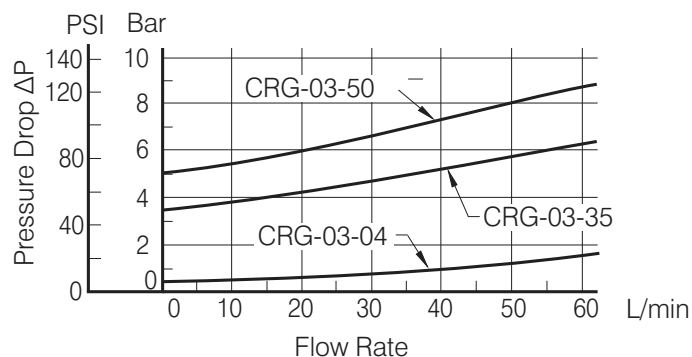
Performance curves

Hydraulic Fluid: Viscosity: 30mm²/s, Specific gravity 0.850

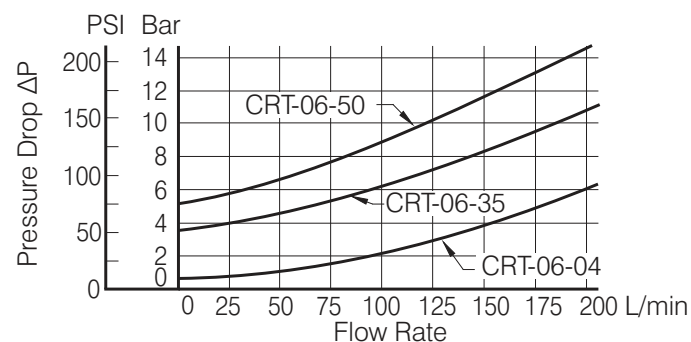
CRT-03



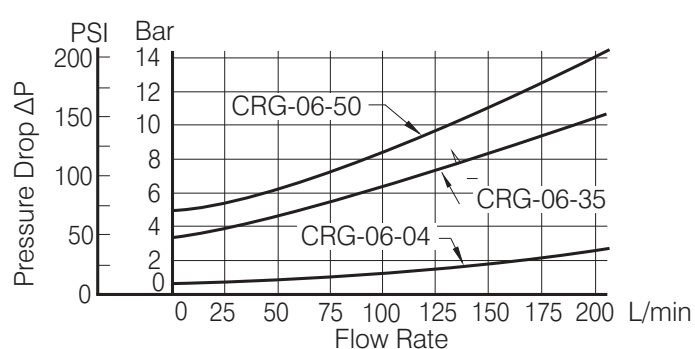
CRG-03



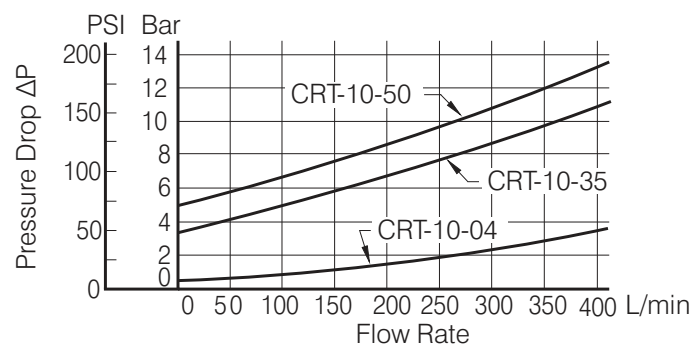
CRT-06



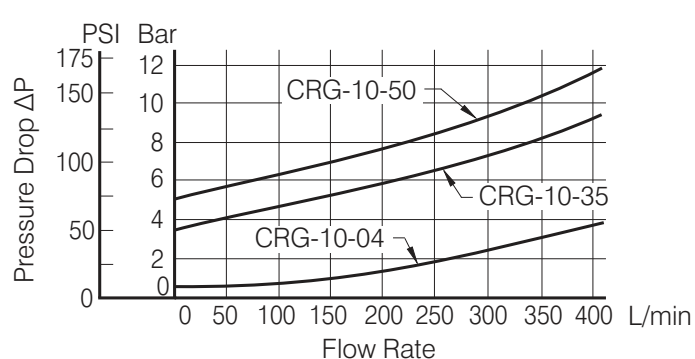
CRG-06



CRT-10



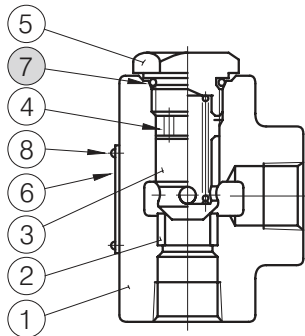
CRG-10





Seal kit

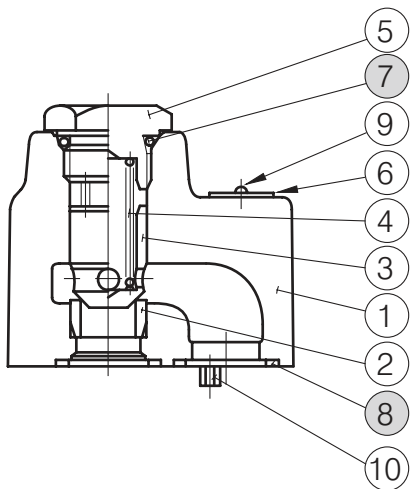
CRT-03-50T
CRT-06-50T
CRT-10-50T



List of Seals & Seal Kits

item	Name of Parts	Part Numbers			Qty.
		CRT-03	CRT-06	CRT-10	
7	O-Ring	JIS B 2401-1B-P21	JIS B 2401-1B-P24	JIS B 2401-1B-P32	1

CRG-03-50T
CRG-06-50T
CRG-10-50T



List of Seals & Seal Kits

Item	Name of Parts	Part Numbers			Qty.
		CRG-03	CRG-06	CRG-10	
7	O-Ring	JIS B 2401-1B-P21	JIS B 2401-1B-P24	JIS B 2401-1B-P32	1
8	O-Ring	JIS B 2401-1B-P18	JIS B 2401-1B-P28	JIS B 2401-1B-P32	2

