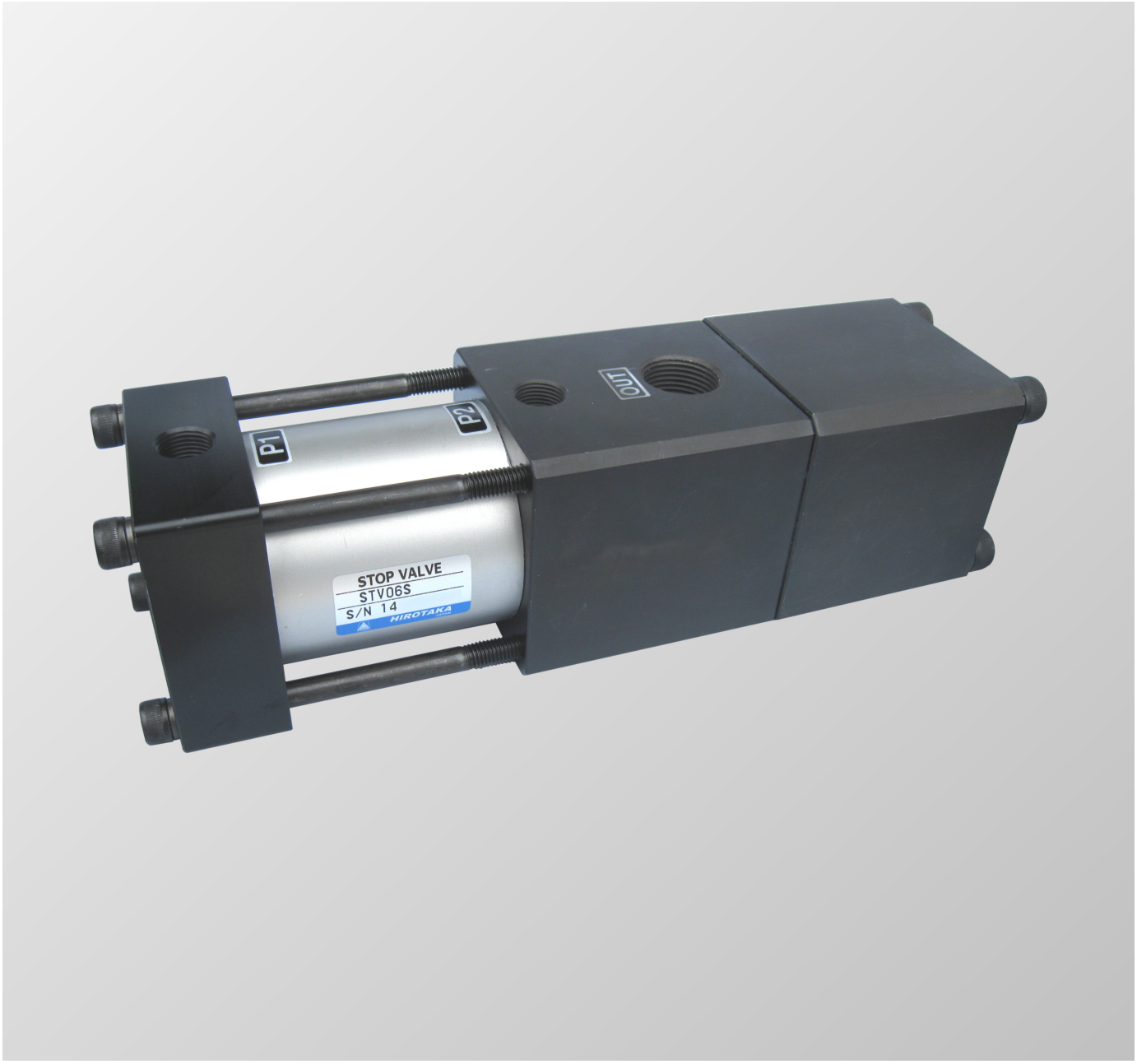
Air-operated hydraulic shut off valve

STOP VALVE

Large capacity, pressure resistant type hydraulic shut off valve.



HIROTAKA MFG. CO.,LTD.

Overview

The stop valve is an air-operated hydraulic shut off valve.
When used in combination with Pneumatic Booster, it is possible to add "Sudden stop operation" such as emergency stop or inching operation to the high-speed operation of the actuator.

Feature

1. High-speed control is possible because the large capacity type.
2. Slim body due to the air-operated type.
3. Control can be done with an one pneumatic valve.
4. The mounting posture is free.

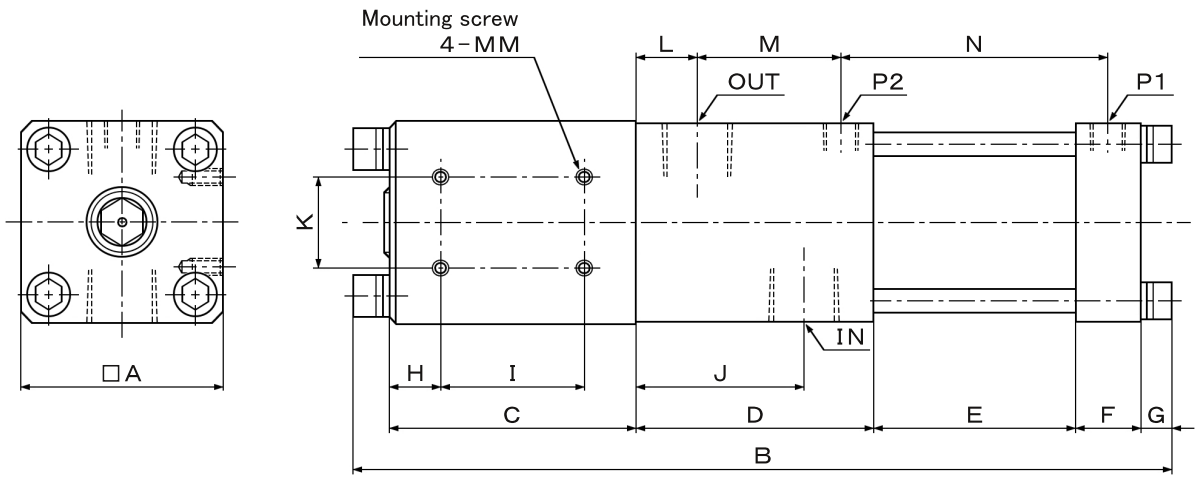
How to order

STV – 06S

Product name
Stop valve

Symbol	Port size
06	Rc3/4
10	Rc1
12	Rc1 1/4

Dimension



Unit : mm

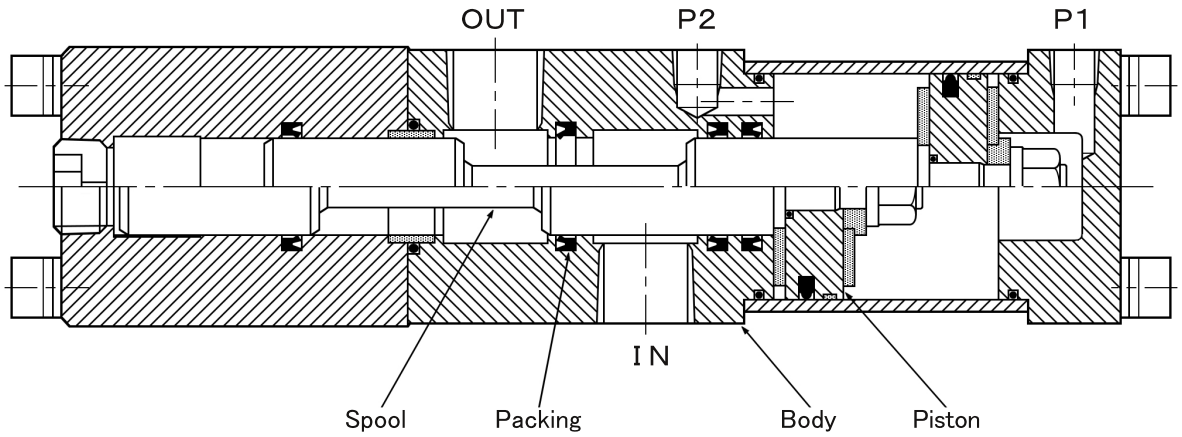
Model No. \ Symbol	A	B	C	D	E	F	G	H	I	J
STV-06S	82	299	82	90	73	32	10	15	52	62
STV-10S	98	398	120	116	98	32	15	25	70	82
STV-12S	118	420	120	133	102	32	15	25	70	96

Model No. \ Symbol	K	L	M	N	IN	OUT	P1	P2	MM	
STV-06S	44	26	48	105	3/4	3/4	3/8	3/8	M6x1.0	Depth10
STV-10S	44	30	70	130	1	1	3/8	3/8	M8x1.25	Depth15
STV-12S	52	40	77	134	11/4	11/4	1/2	1/2	M10x1.5	Depth15

Specification

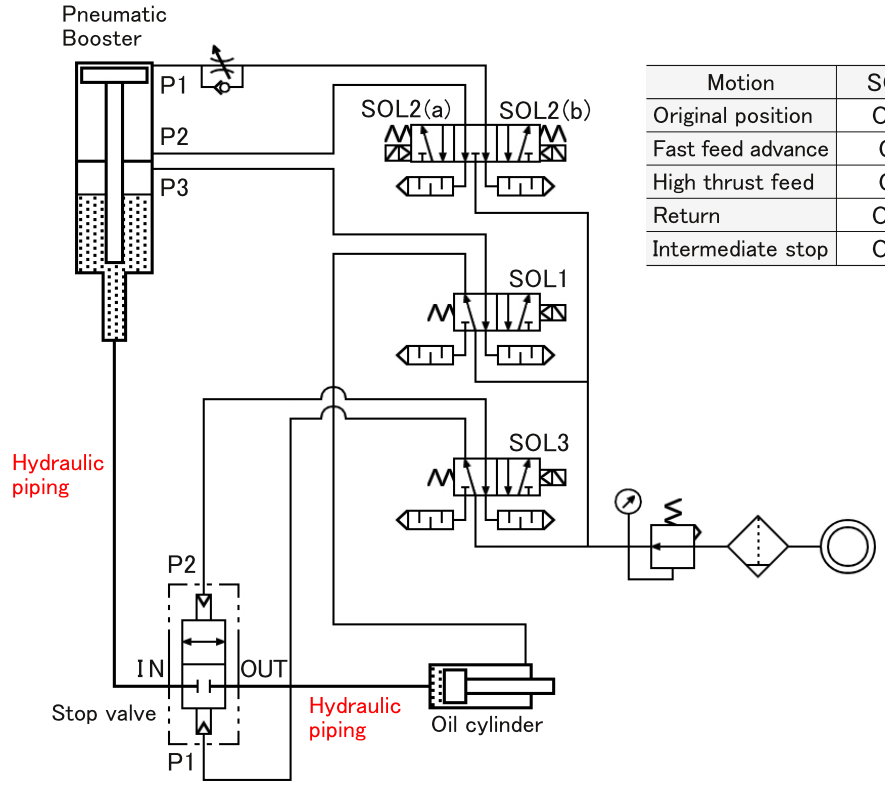
Model	STV−06S	STV−10S	STV−12S
Operating air pressure	0.4 to 0.9 MPa		
Operating oil pressure	0 to 21 MPa		
Effective sectional area	200 mm^2	400 mm^2	550 mm^2
Seal method	Packing		
Mass	7.8 kg	16 kg	26 kg

Internal construction



Note) Since the packing is directional, the hydraulic pressure is shut off from the OUT port side.

Piping



Motion	SOL1	SOL2(a)	SOL2(b)	SOL3
Original position	OFF	ON	OFF	OFF
Fast feed advance	ON	ON	OFF	ON
High thrust feed	ON	OFF	ON	ON
Return	OFF	ON	OFF	ON
Intermediate stop	OFF	OFF	OFF	OFF

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●LINE UP●

PNEUMATIC POWER CYLINDER
PNEUMATIC BOOSTER
POWER PACK CYLINDER
RUSH BOOSTER
HYDRAULIC CYLINDER
FREE LOCK PAD
SELLOCK CYLINDER
FLOATING CONNECTOR
AUTO CLAMPER
SEL NUT
LINEA BRAKE

PNEUMATIC AND HYDRAULIC
EQUIPMENT