



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

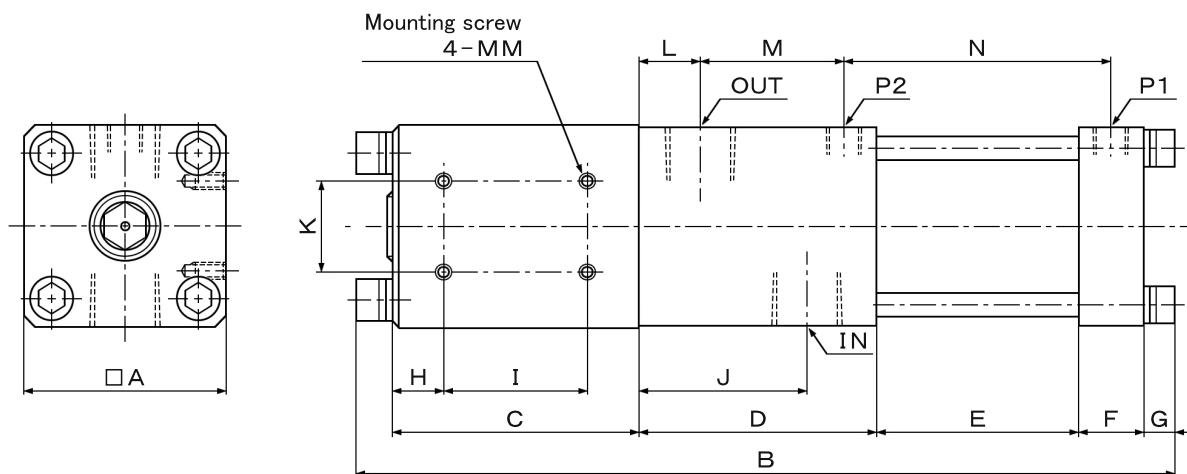
# STV – 06S

| Product name |
|--------------|
| Stop valve   |

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



### Dimension



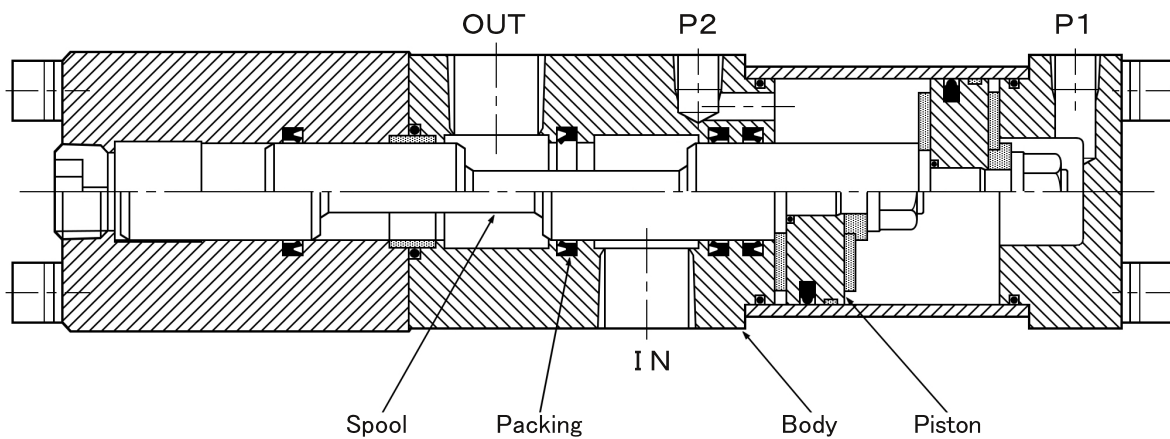
Unit: mm

| 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 | 1 1/4 | 1 1/4 | 1/2 | 1/2 | M10x1.5 | Depth15 |

## Specification

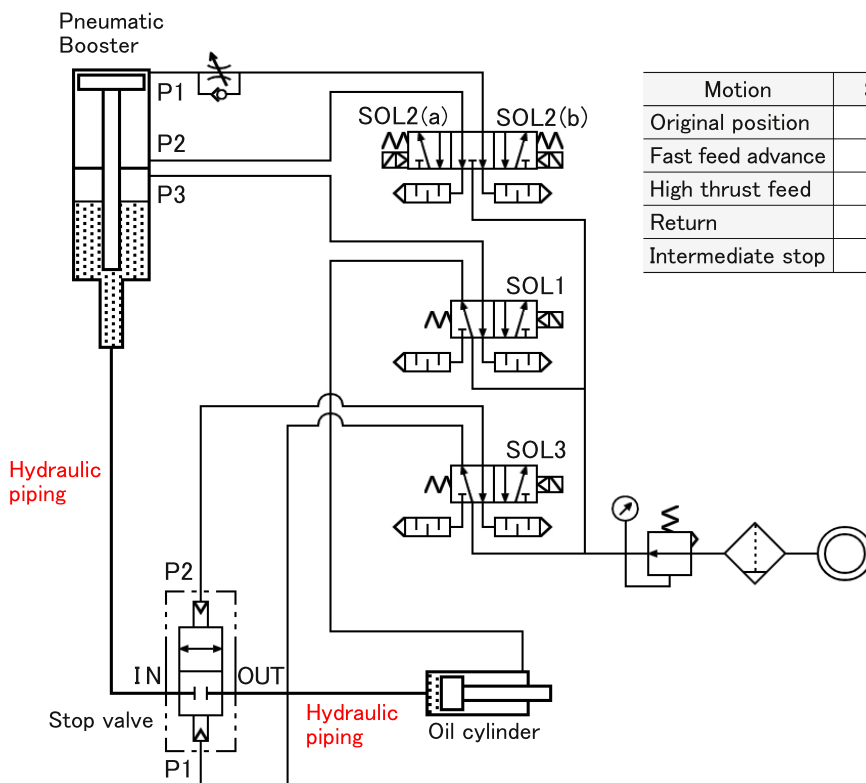
| Model                    | STV-06S             | STV-10S             | STV-12S             |
|--------------------------|---------------------|---------------------|---------------------|
| Operating air pressure   | 0.4 to 0.9 MPa      |                     |                     |
| Operating oil pressure   | 0 to 21 MPa         |                     |                     |
| Effective sectional area | 200 mm <sup>2</sup> | 400 mm <sup>2</sup> | 550 mm <sup>2</sup> |
| 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  |



**HIROTAKA MFG. CO.,LTD.**

HEAD OFFICE 5-89, Ikoma-cho, Kita-ku, Nagoya City, Aichi 462-0832, JAPAN

Phone +81-52-991-6111 Fax +81-52-991-6115

●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**