STANDARD SPECIFICATION

CHANGE OVER VALVE

KOSO

KOSO 's Control Valves and Instrumentation Systems

KOSO, the leading industrial control valve manufacturer with strong research and development capability of its own, has been meeting requirements of the time. Always making available a wide range of product lines that can satisfy the needs of the coming century, KOSO is committed to providing control valves, and the systems thereof, of highest quality and reliability, produced under its quality assurance system complying with ISO 9001 standard.

If you have questions on this technological catalog or require additional printed materials, please contact our sales representative nearest you.

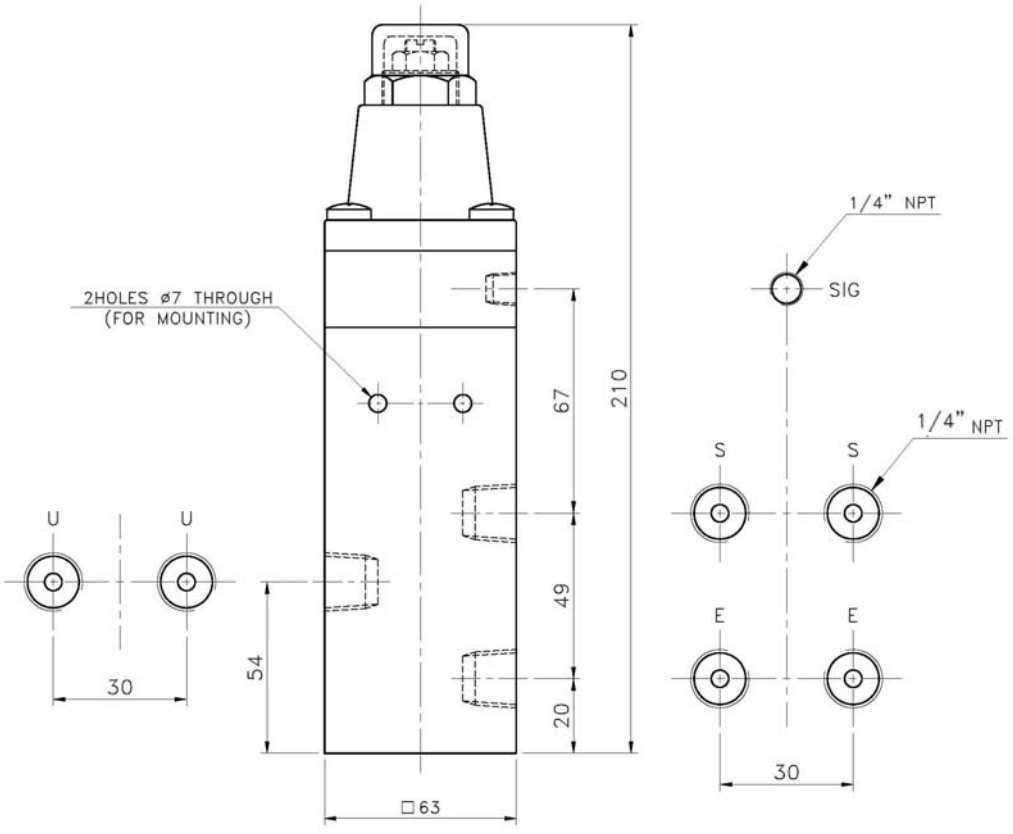
CHANGE OVER VALVE - DCV 01(Double Acting)

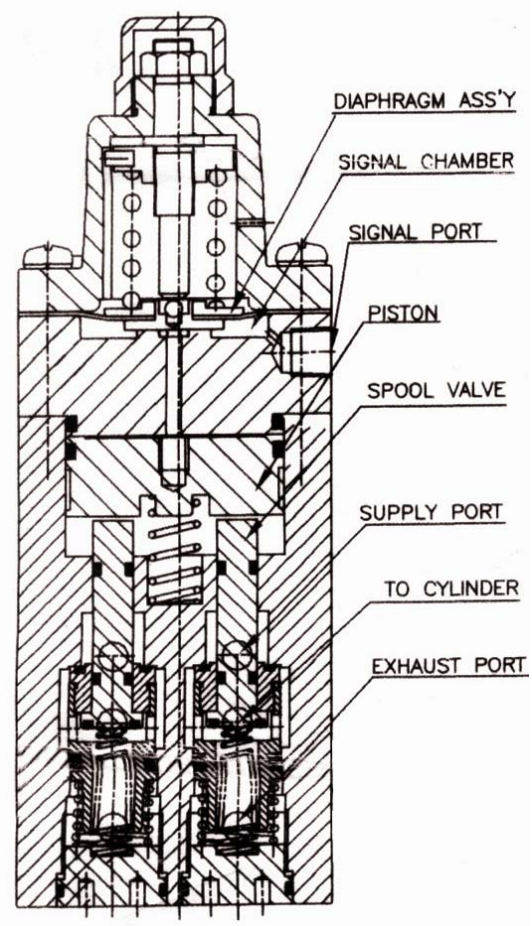
GENERAL

Double acting Change Over valve finds application in Pneumatically operated control valves viz. Globe valves, Butterfly valves, Damper drives etc. with double acting piston cylinder actuators and are normally used with backup system. When the supply pressure comes below the set pressure, this valve will change over the ports and air from the volume tank will go to one side of the cylinder and air on the other side will be exhausted i.e. the cylinder will close or open according to the fail safe condition requirement of the valve/damper.

STANDARD SPECIFICATION

1	Supply Pressure	7 Kg/cm²
2	Set Pressure	2 to 6.5 Kg/cm²
3	Flow rate	1500 NI/min. at Supply 5Kg/cm²
4	Air Consumption	Less than 0.5NI/Min.
5	Hysteresis	Within 1%
6	Ambient Temperature	-5 ~ 60ºC
7	Port Size	1/4" NPT (F)
8	Weight	1.0 Kg.





Change Over Valve (DCV01)
Double acting

PRINCIPLE OF OPERATION

Signal pressure enters the signal chamber, acts on the diaphragm assembly and exerts an upward force on the diaphragm assembly. When the force exceeds the force of spring (set pressure), diaphragm assembly will lift and signal pressure will enter at the top of the piston. Then the piston will move the spool valve downward, closing the exhaust ports and the supply air will be connected to the cylinder. When the signal pressure comes below the set pressure, signal air will be cut off to the piston by the diaphragm assembly due to the spring force and signal air will exhaust through the hole in the diaphragm assembly. The piston moves upward and the spool valve will close the supply port and the exhaust port will be connected to the cylinder. The volume tank can be connected to either of the exhaust ports according to the air to open or air to close requirement.

KOSO

KOSO FLUID CONTROLS PRIVATE LIMITD

(Wholly owned subsidiary of NIHON KOSO CO. LTD., Tokyo, Japan)

Marketing Office - Industrial Development Area, Kanjikode West, Palakkad, Kerala-678 623.
Tel : 0491 - 3014300 to 3014350 Fax : 0491 - 2569914.
Email : marketing@koso.co.in, kosomktg@gmail.com

Branch Delhi - Off No 768, Gali Kundewalan, Ajmeri Gate, Delhi - 110 006.
Tel : 011 - 64120153, Mob. : 09999 623374, Fax : 011 - 23234953.
Email : sunil2gautam@yahoo.co.in

Branch Kolkata - Thilottama Apartment, Flat No.6, 343, M.G. Road, Haridebpur, Kolkata -700 082.
Tel : 033 - 240299487, Mob. : 0 98312 39999.

Branch Chennai - Susi Gardens, 1125/6 West End Colony, Anna Nagar West Extension, Chennai - 600 050.
Tel : 044 - 26250048, Mob. : 0 94440 38176.
Email :kosochennai@yahoo.com

Branch Mumbai - 303 SHIV KALASH, Plot 62, Sector 50 (E), Sea Woods, Nerul Navi Mumbai - 400 706.
Tel : 044 - 26250048, Mob. : 0 94440 38176.
Email :kosomumbai@yahoo.com

Factory - Industrial Development Area, Kanjikode West, Palakkad - 678 623, Kerala, India.
Tel : 0491 - 3014100 to 3014399 Fax : 0491 - 2567142.

Foundry Division - 1/80, Telungu Palayam Road, Annur, Coimbatore - 641 653, Tamil Nadu, India.

NOTICE:
Contents of this catalogue including technical specifications are subject to change without prior notice, due to continous product improvement/upgradation.