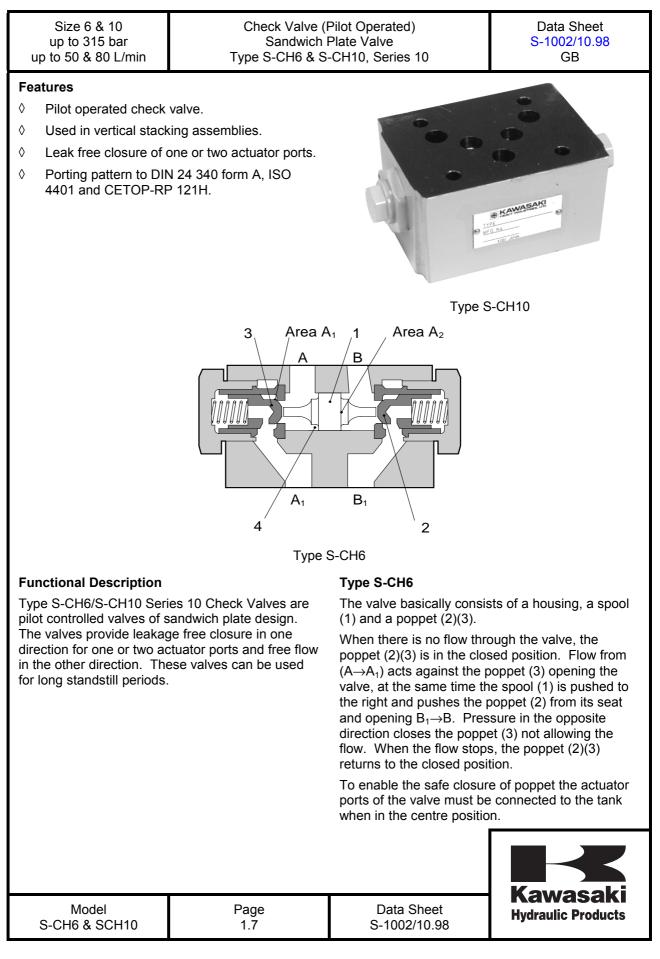
Industrial Products

Sandwich Valves



Type S-CH10

The valve basically consists of a housing, a spool (1), a ball-poppet (2)(4) and a main poppet (3)(5).

When there is no flow through the valve, the ballpoppet (2)(4) and main poppet (3)(5) are in the closed position. Flow from $(A \rightarrow A_1)$ acts against the ball-poppet (4) and the main poppet (5) opening the valve. At the same time the spool (1) is pushed to the right and pushes the ball-poppet (2) first and then the main poppet (3) from their seats opening B₁ \rightarrow B. When the flow stops, the ballpoppet (2)(4) and the main poppet (3)(5) return to the closed position.

To enable the safe closure of the poppet, the actuator ports of the valve must be connected to the tank when in the centre position.

СН

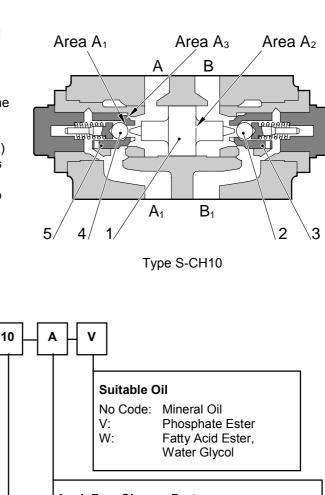
S

Size 6, 10

6

Series Number

10



Ordering Code – Sandwich Plate Valve

Sandwich Plate Design

channel

channels

CH

2CH

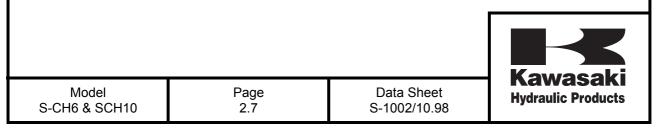
Check Valve (Pilot Operated)

Leak free closure in one

Leak free closure in two

Leak Free Closure Port

	Code	Port	Free Flow Direction
2CH	No code	Port A	A→A1
		Port B	B→B1
СН	А	Port A	A→A1
	В	Port B	B→B1



Symbols

