Stage 1 Valve installed in Cavity A has the smallest orifice determined by the pilot ratio. Pilot pressure times the Stage 2 Valve opens when system pressure drops to a point.

DECOMPRESSION FUNCTION

HOUSING FOR TWO STAGE

SELECT APPROPRIATE VALVES BASED ON RATIO REQUIRED

NOTE: CARTRIDGE VALVES ORDERED SEPARATELY

STAINLESS
ORDER NO:  
SD3-2S  
SD3-3S  
SD3-5S  
SD3-6S  
SD3-8S

ALUMINUM
ORDER NO:
SD3-2  
SD3-3  
SD3-5  
SD3-6  
SD3-8

INLET AND OUTLET PORTS
1/4 NPT
3/8 NPT
1/2 NPT
SAE6 (O-RING PORTS)
SAE8 (O-RING PORTS)

C-8542 Valve Cavity (10-2)
Includes Cavities A & B

Pilot Both Valves Simultaneously.
Cavity A: Install valve for Stage 1 Decompression.
Stage 1 Valve opens first due to the high ratio.
Stage 1 Valve installed in Cavity A has the smallest orifice and provides the decompression function.
Cavity B: Install valve for Stage 2, Higher Flow
Stage 2 Valve opens when system pressure drops to a point determined by the pilot ratio. Pilot pressure times the ratio determines the approximate system pressure, opening point of this valve.

Housing Specifications:
Use No. 1 port for pressure inlet.
Use No. 2 port for pressure outlet.
Pressure on port 1 must be greater than pressure on port 2.
Mounting holes: .39Ø (Clearance for 3/8Ø)
Material: Stainless Steel

Cavity: Install Valve for Stage Decompression.
Cavity B: Install Valve for Stage 2, Higher Flow.