PORT #3 (INLET) IS ONE SIZE LARGER THAN PORTS #2 & #4 (OUTLET).

FOR ALUMINUM OR STEEL VALVE HOUSING CONFIGURATIONS SEE PAGE 0-041.2

FDCV-08 = 3/4"-16 UNF

08TX = SAE - #8

03BX = G 3/8" BSPP

"A" = ALUM. HOUSING

"S" = STEEL HOUSING

BASIC

SEALS

N = BUNA "N"

V = VITON

FLOW DIVISION

CODE PORT#2
11 50% 50% 1.0 GPM
22 50% 50% 2.0 GPM
33 50% 50% 3.0 GPM
44 50% 50% 4.0 GPM
66 50% 50% 6.0 GPM
88 50% 50% 8.0 GPM
12 33.3% 66.6% 1.5 GPM
13 25% 75% 2.0 GPM
24 33.3% 66.6% 3.0 GPM
26 25% 75% 4.0 GPM
36 33.3% 66.6% 4.5 GPM
48 33.3% 66.6% 6.0 GPM
63 66.6% 33.3% 1.0 GPM
84 66.6% 33.3% 2.0 GPM

FLOW DIVIDER/COMBINER VALVE, SPOOL TYPE

DESCRIPTION
This unit is a spool type, screw in cartridge style, flow divider/combiner valve.

OPERATIONS
This valve divides flow from port 3 to ports 2 and 4 and combines flow from ports 2 and 4 to port 3 at the specified flow division regardless of load or system pressure. Should the circuit operation result in blockage of either port 2 or 4, the opposite port will continue to flow but at a reduced flow rate to synchronize a cylinder.

FEATURES AND BENEFITS
Flow accuracy dividing or combining:
+/-5.0% of flows under 40% of the rated flow.
+/-2.5% of flows over 40% of the rated flow.
Quiet and stable operation over wide varying flow, pressure and temperature range.
All external carbon steel parts are plated for longer life against the elements.
All cartridge valves are 100% functionally tested.
Industry common cavity.

SPECIFICATIONS
OPERATING PRESSURE: 5,000 PSI [350 Bar]
PROOF PRESSURE: 10,000 PSI [700 Bar]
FLOW: 8.0 GPM [30 l/m] nominal. See performance chart.
5000 PSI [350 Bar] = Steel – Unplated.
OPERATING TEMPERATURE: -40° to +250° F. [-40° to +120° C.]
OPERATING MEDIA: All general purpose hydraulic fluids such as MIL-H-5606, SAE-#10, SAE-#20, etc.
INSTALLATION: No restrictions.
SEAL KIT: SKN-0842 Buna "N".
SKV-0842 Viton.
WEIGHT: .24 lb [.11 kg] cartridge only.
VALVE CAVITY: #C0840, See Page 0-041.0.

info.el@bucherhydraulics.com  www.bucherhydraulics.com/commoncavity

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