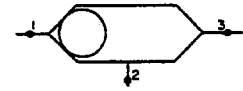


3 USGPM Δ 100 PSI
(11,4 LPM Δ 6,9 Bar)

HSSCV601



Data Sheet

Shuttle Check Valve

Application

The HSSCV cartridge type shuttle check valve allows free flow to outlet port (2) from highest (or only) pressure inlet port (1 or 3) while shutting off (any) flow from the remaining port.

Operation

When one of the inlet ports (1 or 3) is pressurized, the ball is forced against the seat of the opposite port, sealing that inlet and allowing flow to outlet port (2). If unequal pressures are present at both inlet ports, the ball will be forced against the seat of the port with lesser pressure, connecting the higher pressure to port 2.

Features

This low leakage valve is constructed of high strength steel parts, to assure superior seat life when used for high cyclical applications. Cartridge is designed for easy service or field repair.

Specifications

Rated flow, port 1 to 2 -- 3 USgpm Δ 100 psi
(11,4 lpm Δ 6,9 bar)
port 3 to 2 -- 3 USgpm Δ 100 psi
(11,4 lpm Δ 6,9 bar)

Maximum operating pressure -
5000 psi (345 bar)

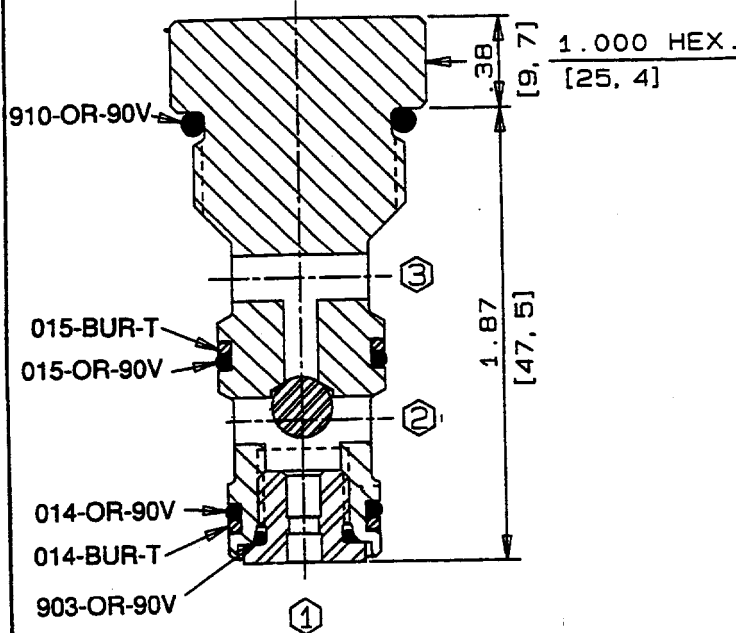
Viscosity range - 27-2000 SSU at 100°F

Seals - Viton

Operating temperature - -40°F to 350°F
(-39,6°C to 175°C)

Filtration - Maintain SAE Class 6, ISO 18/15
Seal kit - HSSK-600-AN

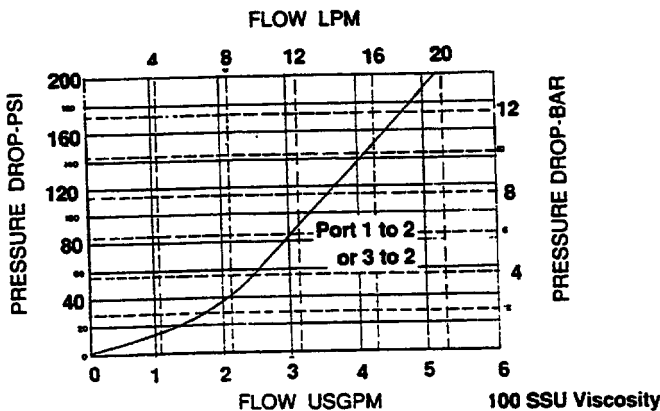
401040HS



Form Tool Cavity
HS-600-3

Line Mount Block
BC1-08-C

Performance Curve





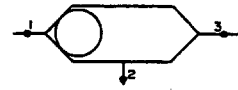
VALVE, SCREW-IN CARTRIDGE

ENGINEERING

2

3 USGPM Δ 100 PSI
(11.4 LPM Δ 6.9 Bar)

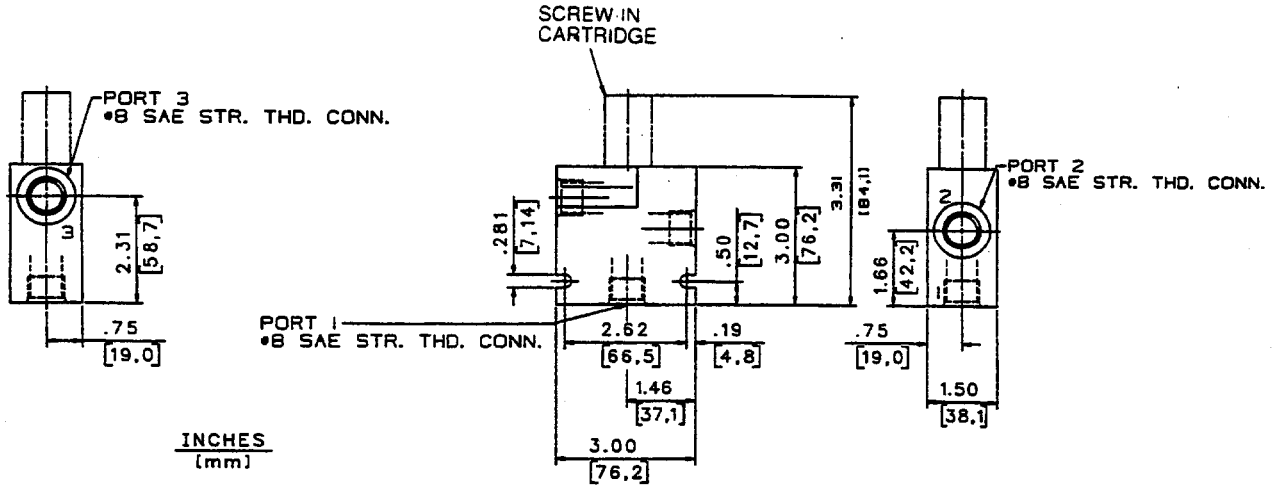
HSSCV601



Data Sheet

Shuttle Check Valve

HSSCV601/BC1-08-C



How To Order

Screw-In Cartridge Only

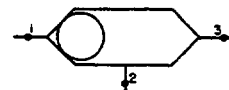
HSSCV601

Cartridge With Line Mount Block

HSSCV601/BC1-08-C

20 USGPM Δ 100 PSI
(75,8 LPM Δ 6,9 Bar)

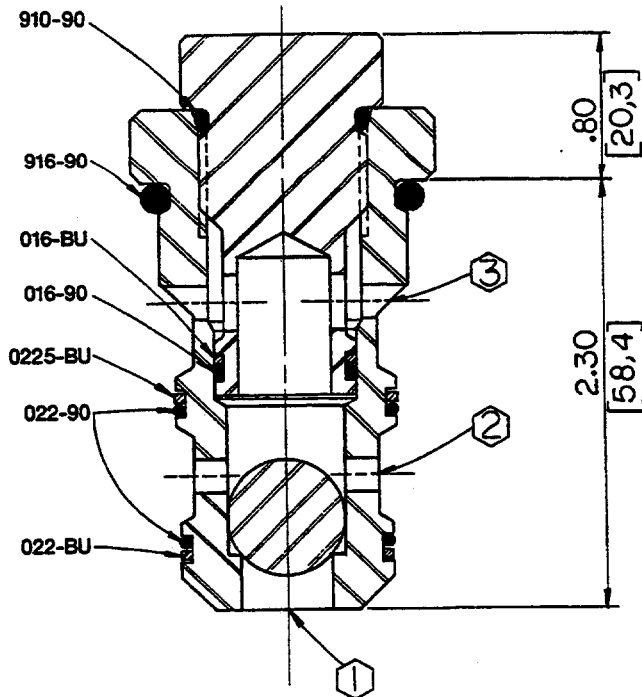
HSSCV800



Data Sheet

Shuttle Check Valve

400142HS



Form Tool Cavity
HSSCV-800-3

Line Mount Block
CK1-10-C

Application

The HSSCV cartridge type shuttle check valve allows free flow to outlet port (2) from highest (or only) pressured inlet port (1 or 3) while shutting off (any) flow from remaining port.

Operation

When one of the inlet ports (1 or 3) is pressurized, the ball is forced against the seat of the opposite port, sealing that inlet and allowing flow to outlet port (2). If unequal pressures are present at both inlet ports, the ball will be forced against the seat of the port with lesser pressure, connecting the higher pressure to port 2.

Features

This low leakage valve is constructed of steel parts, operating parts are hardened and ground as required. Cartridge is designed for easy service or field repair.

Specifications

Rated flow, port 1 to 2—26 USgpm Δ 100 psi
(98,5 lpm Δ 6,9 bar)
port 3 to 2—20 USgpm Δ 100 psi
(98,5 lpm Δ 6,9 bar)

Maximum operating pressure—
5000 psi (345 bar)

Viscosity range—27-30 SSU at 100°F
35-2000 SSU at 100°F

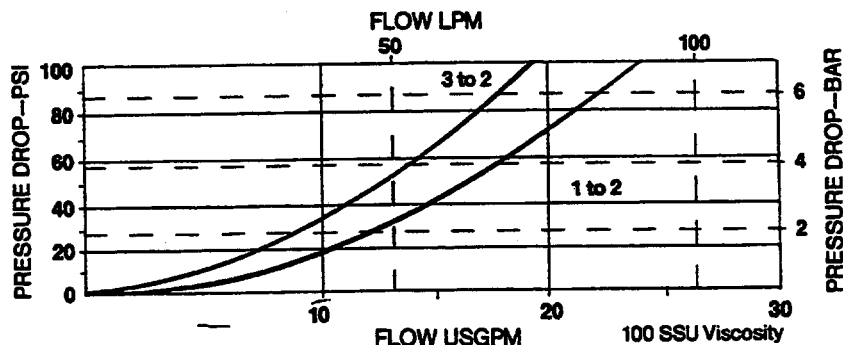
Seals—Viton

Operating temperature—-40°F to 350°F
(-39,6°C to 175°C)

Filtration—Maintain SAE Class 6, ISO 18/15

Seal kit—HSSK-800-P

Performance Curve





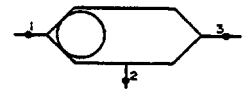
VALVE, SCREW-IN CARTRIDGE

20 USGPM Δ 100 PSI
(75,8 LPM Δ 6,9 Bar)

HSSCV800

ENGINEERING

2

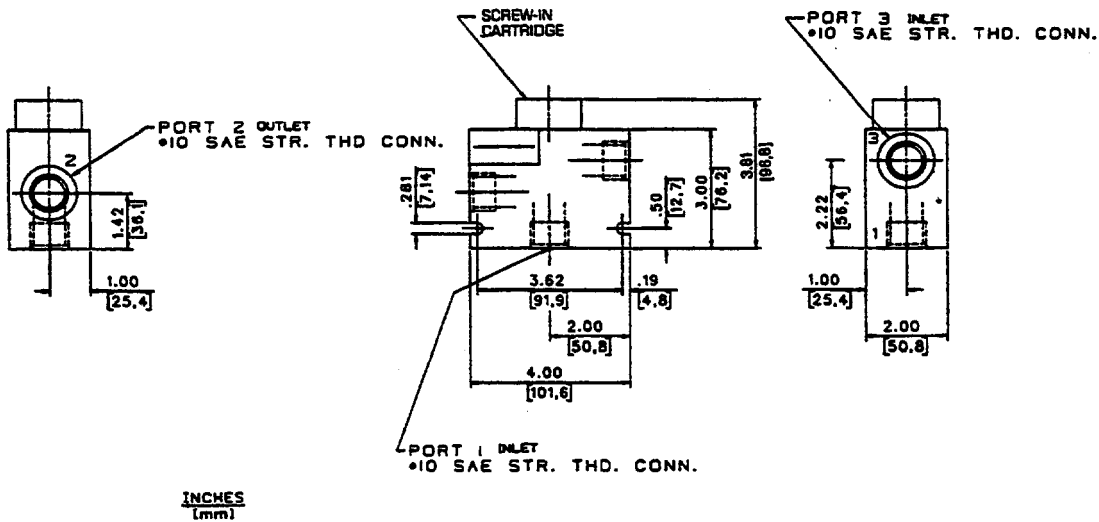


Data Sheet

Shuttle Check Valve

Line Mount Specifications

HSSCV800/CK1-10-C



How To Order

Screw-In Cartridge Only

HSSCV800

Cartridge With Line Mount Block

HSSCV800/CK1-10-C