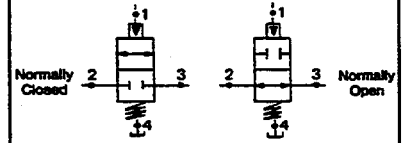


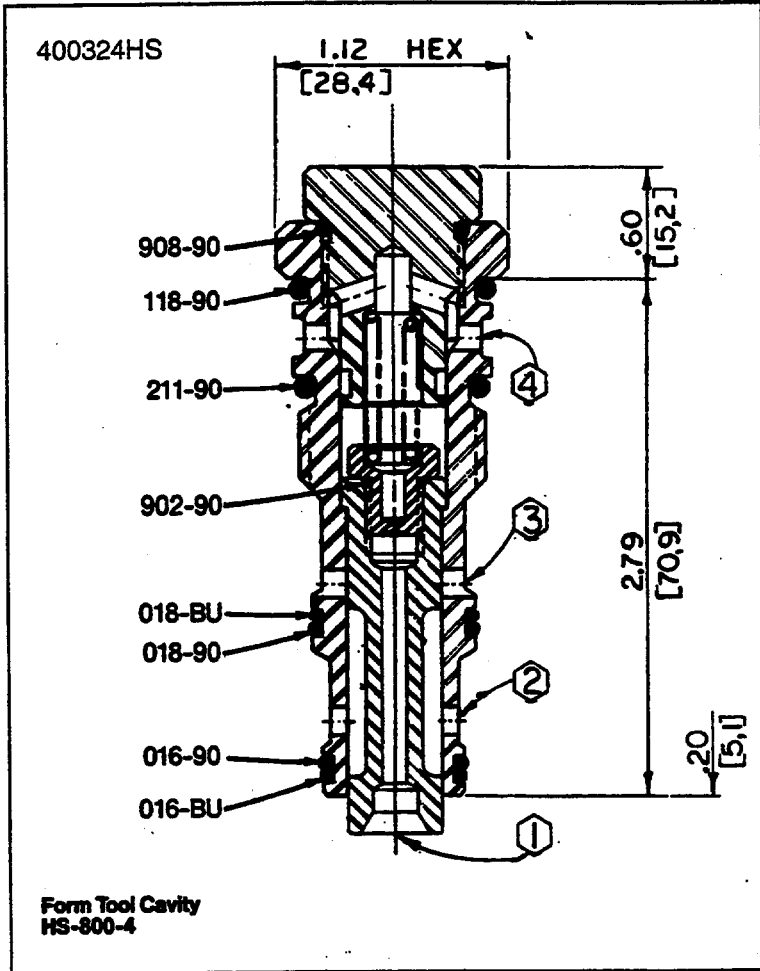
17 USGPM Δ 100 PSI
(64,4 LPM Δ 6,9 Bar)

HS2W800-SP



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve



Application

The HS2W cartridge valve is used to allow (open) or block (close) flow, in a single line of a circuit, when actuated by a pilot valve.

Operation

The HS2W valve can be pilot operated by connecting port 1 to an electric, pneumatic or manual operated pilot valve. Port 4 must be connected to drain (unless a four-way pilot control valve is used). The main spool is available in a normally open or normally closed configuration. The spool is held in its normal position by a spring. Pressure piloted to port 1 shifts the spool against the spring to open or close flow between ports 2 and 3. Draining port 1 allows spring to shift spool to original position.

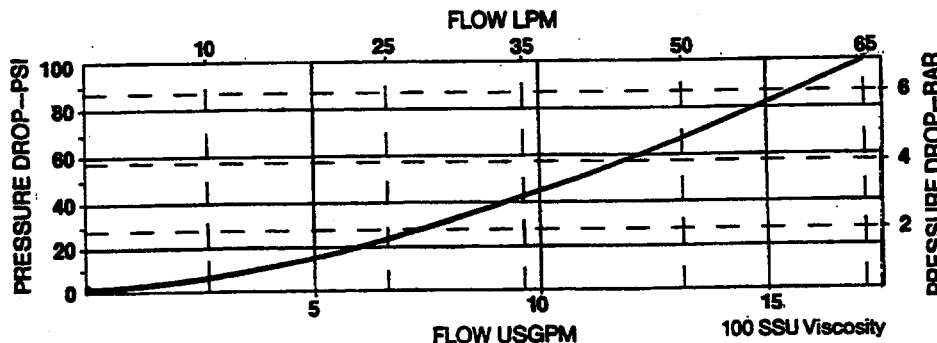
Features

Normally open or normally closed pilot operated valves are constructed of steel parts, operating parts are hardened, and ground as required. Cartridge is designed for easy service or field repair.

Specifications

- Maximum flow—17 USgpm (64,4 lpm)
- Maximum operating pressure—5000 psi (345 bar)
- Maximum pilot pressure (to shift valve)—50 psi (3,4 bar)
- Viscosity range—27 to 30 SSU at 100°F
35 to 2000 SSU at 100°F
- Seals—Viton
- Operating temperature—-40°F to 350°F
(-39,6°C to 175°C)
- Filtration—Maintain SAE Class 5, ISO 17/14
- Seal kit—HSSK-800-R

Performance Curve





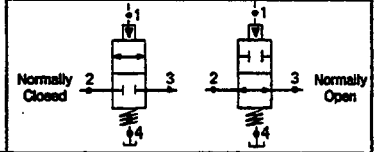
VALVE, SCREW-IN CARTRIDGE

ENGINEERING

2

17 USGPM Δ 100 PSI
(64,4 LPM Δ 6,9 Bar)

HS2W800-SP



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve

How To Order

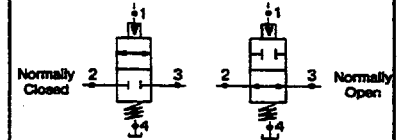
Screw-In Cartridge Only

HS2W 800-SP

Spool Function	
O	Normally Open
C	Normally Closed

35 USGPM Δ 100 PSI
(132,5 LPM Δ 6,9 Bar)

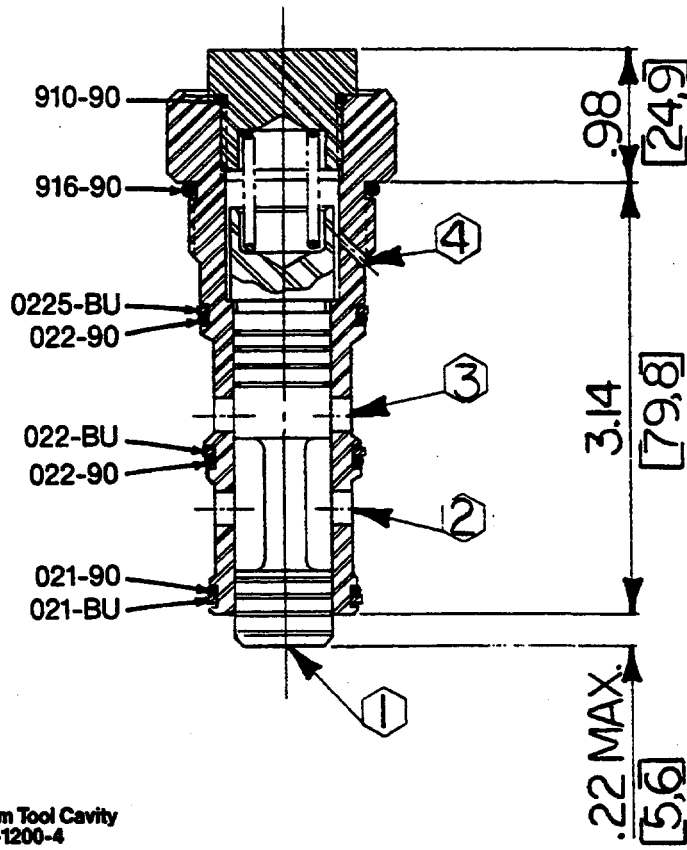
HS2W1200-SP



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve

400192HS



Form Tool Cavity
HS-1200-4

Application

The HS2W cartridge valve is used to allow (open) or block (close) flow, in a single line of a circuit, when actuated by a pilot valve.

Operation

The HS2W valve can be pilot operated by connecting port 1 to an electric, pneumatic or manual operated pilot valve. Port 4 must be connected to drain (unless a four-way pilot control valve is used). The main spool is available in a normally open or normally closed configuration. The spool is held in its normal position by a spring. Pressure piloted to port 1 shifts the spool against the spring to open or close flow between ports 2 and 3. Draining port 1 allows spring to shift spool to original position.

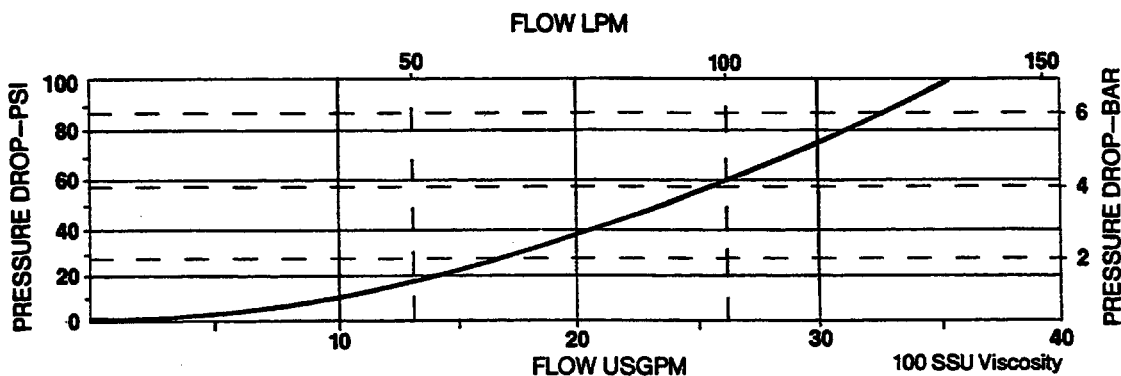
Features

Normally open or normally closed pilot operated valves are constructed of steel parts, operating parts are hardened, and ground as required. Cartridge is designed for easy service or field repair.

Specifications

- Maximum flow—35 USgpm (132,5 lpm)
- Maximum operating pressure—5000 psi (345 bar)
- Maximum pilot pressure (to shift valve)—55 psi (3,8 bar)
- Viscosity range—27 to 30 SSU at 100°F
35 to 2000 SSU at 100°F
- Seals—Viton
- Operating temperature—-40°F to 350°F
(-39,6°C to 175°C)
- Filtration—Maintain SAE Class 5, ISO 17/14
- Seal kit—HSSK-1200-D

Performance Curve





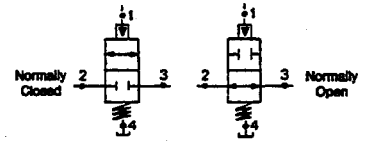
VALVE, SCREW-IN CARTRIDGE

ENGINEERING

2

35 USGPM Δ 100 PSI
(132,5 LPM Δ 6,9 Bar)

HS2W1200-SP



Data Sheet

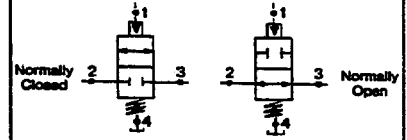
Two-Way Single Pilot Operated Directional Control Valve

How To Order

Screw-In Cartridge Only

HS2W_1200-SP

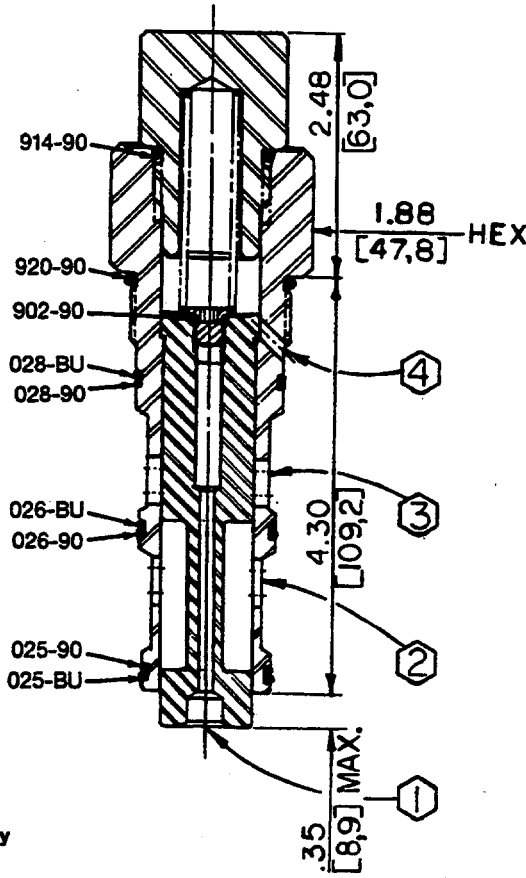
Spool Function	
O	Normally Open
C	Normally Closed



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve

400326HS



Form Tool Cavity
HS-1600-4

Application

The HS2W cartridge valve is used to allow (open) or block (close) flow, in a single line of a circuit, when actuated by a pilot valve.

Operation

The HS2W valve can be pilot operated by connecting port 1 to an electric, pneumatic or manual operated pilot valve. Port 4 must be connected to drain (unless a four-way pilot control valve is used). The main spool is available in a normally open or normally closed configuration. The spool is held in its normal position by a spring. Pressure piloted to port 1 shifts the spool against the spring to open or close flow between ports 2 and 3. Draining port 1 allows spring to shift spool to original position.

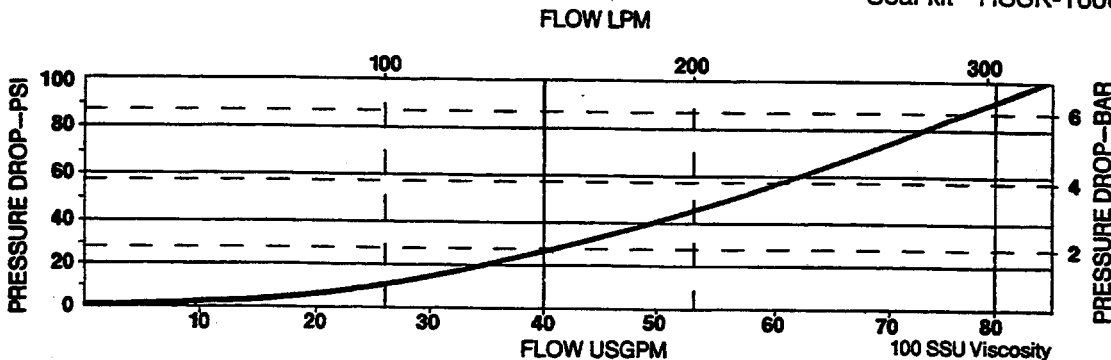
Features

Normally open or normally closed pilot operated valves are constructed of steel parts, operating parts are hardened, and ground as required. Cartridge is designed for easy service or field repair.

Specifications

- Maximum flow—80 USgpm (303,2 lpm)
- Maximum operating pressure—5000 psi (345 bar)
- Maximum pilot pressure (to shift valve)—36 psi (2,5 bar)
- Viscosity range—27 to 30 SSU at 100°F
35 to 2000 SSU at 100°F
- Seals—Viton
- Operating temperature—-40°F to 350°F
(-39,6°C to 175°C)
- Filtration—Maintain SAE Class 5, ISO 17/14
- Seal kit—HSSK-1600-D

Performance Curve





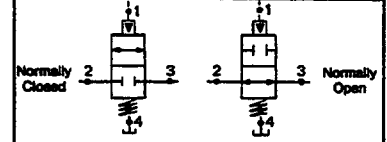
VALVE, SCREW-IN CARTRIDGE

ENGINEERING

2

80 USGPM Δ 100 PSI
(303,2 LPM Δ 6,9 Bar)

HS2W1600-SP



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve

How To Order

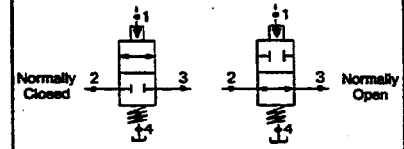
Screw-In Cartridge Only

HS2W 1600-SP

	Spool Function
O	Normally Open
C	Normally Closed

175 USGPM Δ 100 PSI
(663,3 LPM Δ 6,9 Bar)

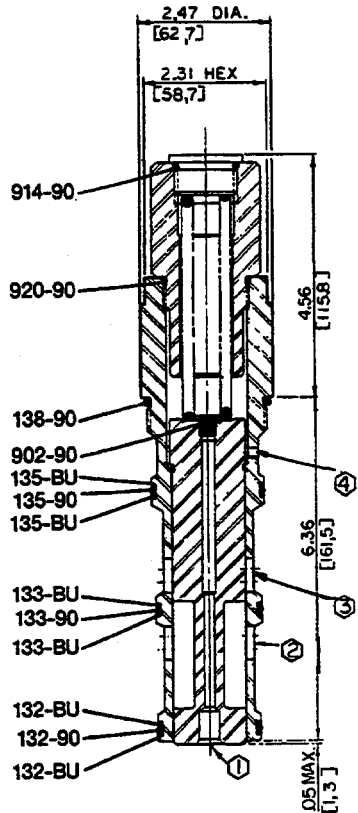
HS2W2000-SP



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve

500418HS



Form Tool Cavity
HS-2000-4

Application

The HS2W cartridge valve is used to allow (open) or block (close) flow, in a single line of a circuit, when actuated by a pilot valve.

Operation

The HS2W valve can be pilot operated by connecting port 1 to an electric, pneumatic or manual operated pilot valve. Port 4 must be connected to drain (unless a four-way pilot control valve is used). The main spool is available in a normally open or normally closed configuration. The spool is held in its normal position by a spring. Pressure piloted to port 1 shifts the spool against the spring to open or close flow between ports 2 and 3. Draining port 1 allows spring to shift spool to original position.

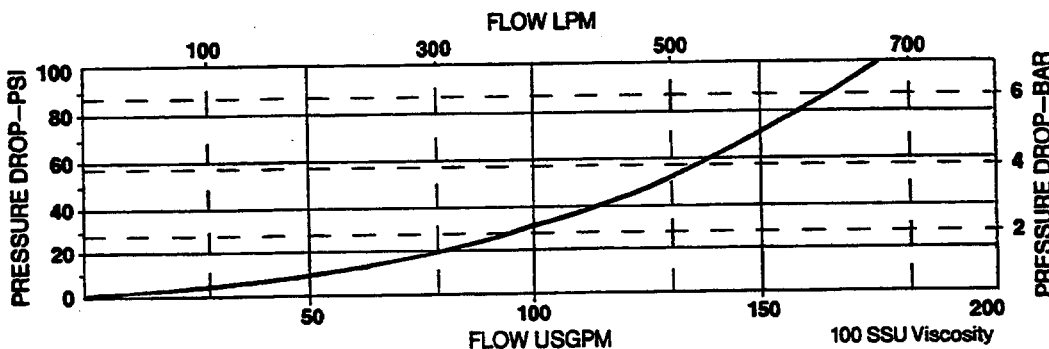
Features

Normally open or normally closed pilot operated valves are constructed of steel parts, operating parts are hardened, and ground as required. Cartridge is designed for easy service or field repair.

Specifications

- Maximum flow—175 USgpm (663,3 lpm)
- Maximum operating pressure—5000 psi (345 bar)
- Maximum pilot pressure (to shift valve)—75 psi (5,2 bar)
- Viscosity range—27 to 30 SSU at 100°F
35 to 2000 SSU at 100°F
- Seals—Viton
- Operating temperature—-40°F to 350°F
(-39,6°C to 175°C)
- Filtration—Maintain SAE Class 5, ISO 17/14
- Seal kit—HSSK-2000-D

Performance Curve





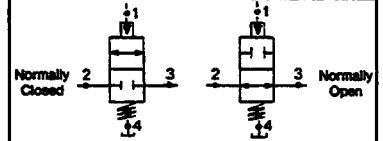
VALVE, SCREW-IN CARTRIDGE

ENGINEERING

2

175 USGPM Δ 100 PSI
(663,3 LPM Δ 6,9 Bar)

HS2W2000-SP



Data Sheet

Two-Way Single Pilot Operated Directional Control Valve

How To Order

Screw-In Cartridge Only

HS2W_2000-SP

	Spool Function
O	Normally Open
C	Normally Closed