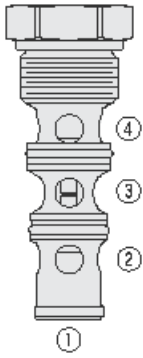




## Overview



### Description

The LS10-41 is a screw in, cartridge style, spring centered, inverted shuttle valve for use with general purpose hydraulic oil.

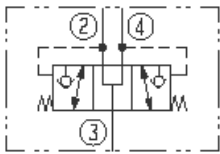
### Operation

Port 1 should be blocked. The valve CAN be used in steering/brake circuit to charge 2 accumulators of 2 brakes or for other suitable application.

### Features

- Hardened work surfaces.
- Industry-common cavity.

### Symbol



## Ratings

### Pressure Ratings

Pressure rating 241 bar (3500 psi)

### Flow Ratings

Flow rating See graph

Maximum internal leakage 0.15 ml/min (3 drops/min) - **Note:** At 207 bar (3000 psi)

### Temperature Ratings

Operating fluid temperature	-40 to 100 °C (-40 to 212 °F)	- <b>Note:</b> With buna N seals
	-26 to 204 °C (-15 to 400 °F)	- <b>Note:</b> With viton seals
	-54 to 107 °C (-65 to 225 °F)	- <b>Note:</b> With polyurethane seals
Storage temperature	-40 to 70 °C (-40 to 160 °F)	
Ambient temperature	-40 to 70 °C (-40 to 160 °F)	

## Operating Parameters

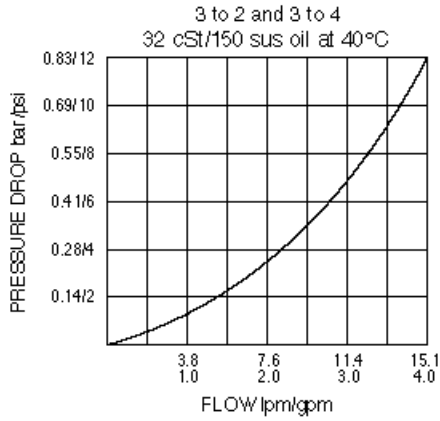
Fluids	Mineral based or synthetic hydraulic fluid with lubricating properties
Fluid viscosity range	7.4 to 420 cSt
Maximum operating contamination level	20/18/14 per ISO 4406

## Properties

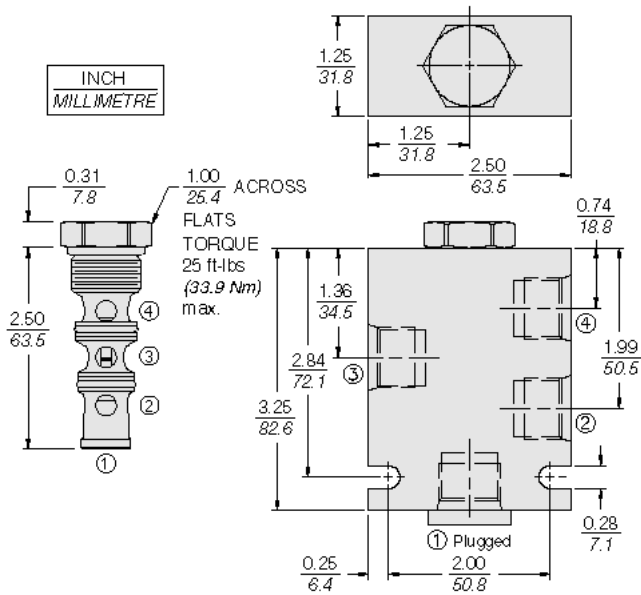
Unit weight	0.13 kg (0.23 lb)
Internal wetted surface area	121 cm <sup>2</sup> (18.7 in <sup>2</sup> )



## Performance



## Dimensions



## Installation Specifications

Cavity	VC10-4
Cartridge installation torque	32.6 to 35.4 N-m (24 to 26 ft-lb)
Orientation restriction	None

## Accessories

Seal kit	SK10-4N-TBX	- <b>Note:</b> Buna N
	SK10-4V-TBX	- <b>Note:</b> Viton
	SK10-4P-TBX	- <b>Note:</b> Polyurethane



## Order Code

LS10-41-

<u>Porting</u>		<u>Seals</u>	
Cartridge Only	<b>0</b>	<b>N</b>	Buna-N (Std.)
SAE 6	<b>6T</b>	<b>V</b>	Fluorocarbon
SAE 8	<b>8T</b>		
1/4 in. BSP*	<b>2B</b>		
3/8 in. BSP*	<b>3B</b>		

\*BSP Body;  
U.K. Mfr. Only

### Model Options

#### LS10-41-H-J

#### H Line Body

CODE	DESCRIPTION
0	No Body
6T	Aluminum SAE 6
8T	Aluminum SAE 8
6TD	Ductile Iron SAE 6

#### J Seal

CODE	DESCRIPTION
N	Buna-N
V	Fluorocarbon
P	Polyurethane
U	PPDI Urethane