

Cartridge Valves

Common Cavity Cartridges

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SUN Cavity Cartridges

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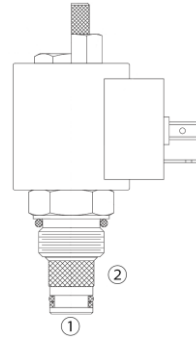
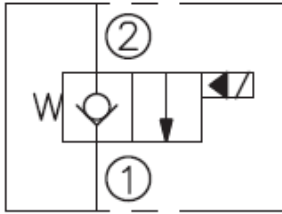
SUN Cavity Bodies

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Common Cavity Cartridges

2 Way / 2 Position Normally Closed Poppet



	① → ②	② → ①
De-Energised	Flow	Blocked
Energised	Restricted	Flow

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-2NCP	08-2 (3/4-16 UNF-2B)	30.2	207	No	LC2-08-C-*#	\$120.00
LSV2-08-2NCP-M				Yes		\$175.00
LSV2-10-2NCP	10-2 (7/8-14 UNF-2B)	60.6		No	LC2-10-C-*#	\$129.00
LSV2-10-2NCP-M				Yes		\$184.00
LSV2-12-2NCP	12-2 (1 1/16-12 UNF-2B)	113.6		No		\$218.00
LSV2-12-2NCP-M				Yes		\$275.00

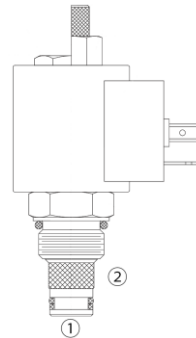
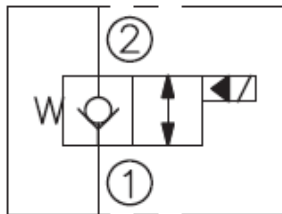
Note:

- Coil & Plug are sold separately.
See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- Normal Operation (Closed Position) push red button in and turn clockwise.
- To open the valve, push red button in, twist counterclockwise and release.

2 Way / 2 Position Normally Closed Poppet



	① → ②	② → ①
De-Energised	Flow	Blocked
Energised	Flow	Flow

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-2NCRP	08-2 (3/4-16 UNF-2B)	22.8	207	No	LC2-08-C-*#	\$133.00
LSV2-08-2NCRP-M				Yes		\$187.00
LSV2-10-2NCRP	10-2 (7/8-14 UNF-2B)	56.8		No	LC2-10-C-*#	\$151.00
LSV2-10-2NCRP-M				Yes		\$206.00
LSV2-12-2NCRP	12-2 (1 1/16-12 UNF-2B)	113.6		No		\$233.00
LSV2-12-2NCRP-M				Yes		\$287.00

Note:

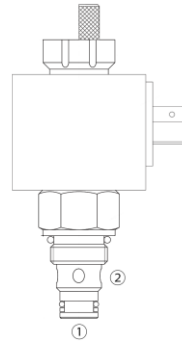
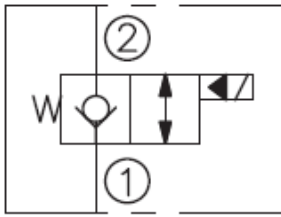
- Coil & Plug are sold separately.
See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- Normal Operation (Closed Position) push red button in and turn clockwise.
- To open the valve, push red button in, twist counterclockwise and release.

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2 Way / 2 Position Normally Closed Poppet



	① → ②	② → ①
De-Energised	Flow	Blocked
Energised	Flow	Flow

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV6-08-2NCRP	08-2 (3/4-16 UNF-2B)	50.0	350	No	LC6-08-S-*#	\$233.00
LSV6-08-2NCRP-M				Yes		\$288.00
LSV6-10-2NCRP	10-2 (7/8-14 UNF-2B)	70.0		No		\$266.00
LSV6-10-2NCRP-M				Yes		\$320.00

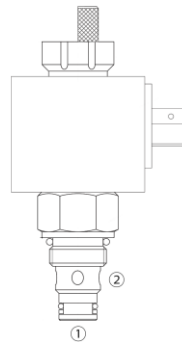
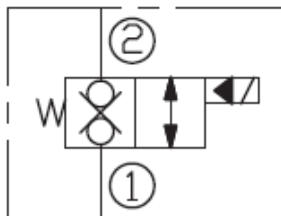
Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).
- The O Ring supplied with the valve is installed between the Coil & Coil Retaining Nut.

Operation of Locking Manual Override Option:

- Normal Operation (Closed Position) push red button in and turn clockwise.
- To open the valve, push red button in, twist counterclockwise and release.

2 Way / 2 Position Normally Closed Poppet



	① → ②	② → ①
De-Energised	Blocked	Blocked
Energised	Flow	Flow

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV6-08-2NCSP	08-2 (3/4-16 UNF-2B)	40.0	350	No	LC6-08-S-*#	\$306.00
LSV6-08-2NCSP-M				Yes		\$361.00
LSV6-10-2NCSP	10-2 (7/8-14 UNF-2B)	70.0		No		\$343.00
LSV6-10-2NCSP-M				Yes		\$398.00
LSV6-12-2NCSP	12-2 (1 1/16-12 UNF-2B)	150.0		No		\$362.00
LSV6-12-2NCSP-M				Yes		\$416.00

Note:

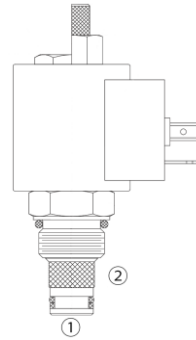
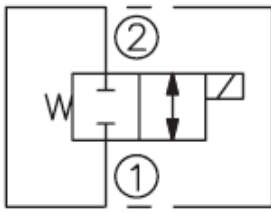
- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).
- The O Ring supplied with the valve is installed between the Coil & Coil Retaining Nut.

Operation of Locking Manual Override Option:

- Normal Operation (Closed Position) push red button in and turn clockwise.
- To open the valve, push red button in, twist counterclockwise and release.

Continued Next Page

2 Way / 2 Position Normally Closed Spool



	① → ②	② → ①
De-Energised	Blocked	Blocked
Energised	Flow	Flow

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-2NCS	08-2 (3/4-16 UNF-2B)	16.7	207	No	LC2-08-C-*#	\$114.00
LSV2-08-2NCS-M				Yes		\$168.00
LSV2-10-2NCS	10-2 (7/8-14 UNF-2B)	37.9		No	LC2-10-C-*#	\$129.00
LSV2-10-2NCS-M				Yes		\$183.00

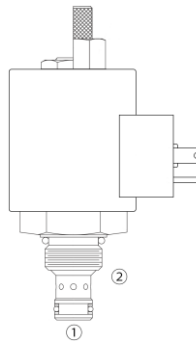
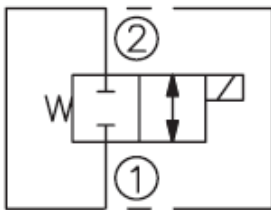
Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- Normal Operation (Closed Position) push red button in and turn clockwise.
- To open the valve, push red button in, twist counterclockwise and release.

2 Way / 2 Position Normally Closed Spool



	① → ②	② → ①
De-Energised	Blocked	Blocked
Energised	Flow	Flow

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV5-08-2NCS	08-2 (3/4-16 UNF-2B)	18.9	315	No	LC2-10-C-*#	\$169.00
LSV5-08-2NCS-M				Yes		\$223.00

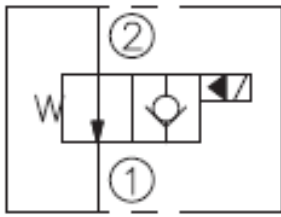
Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).

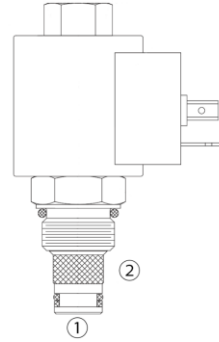
Operation of Locking Manual Override Option:

- Normal Operation (Closed Position) push red button in and turn clockwise.
- To open the valve, push red button in, twist counterclockwise and release.

2 Way / 2 Position Normally Open Poppet



	① → ②	② → ①
De-Energised	Restricted	Flow
Energised	Flow	Blocked



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-2NOP	08-2 (3/4-16 UNF-2B)	37.9	207	No	LC2-08-C-*#	\$140.00
LSV2-08-2NOP-M				Yes		\$173.00
LSV2-10-2NOP	10-2 (7/8-14 UNF-2B)	68.1		No	LC2-10-C-*#	\$178.00
LSV2-10-2NOP-M				Yes		\$210.00
LSV2-12-2NOP	12-2 (1 1/16-12 UNF-2B)	113.6		No		\$268.00
LSV2-12-2NOP-M				Yes		\$299.00
Locking Manual Override details on Page 9.07 .						

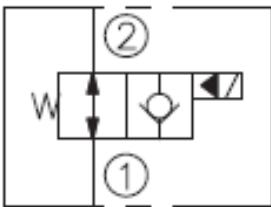
Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).

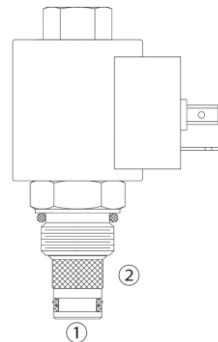
Operation of Locking Manual Override Option:

- To override, push button in. This will close the valve.
- To return to normal valve function (normally open), release button.

2 Way / 2 Position Normally Open Poppet



	① → ②	② → ①
De-Energised	Flow	Flow
Energised	Flow	Blocked



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-2NORP	08-2 (3/4-16 UNF-2B)	28.4	207	No	LC2-08-C-*#	\$158.00
LSV2-08-2NORP-M				Yes		\$192.00
LSV2-10-2NORP	10-2 (7/8-14 UNF-2B)	68.1		No	LC2-10-C-*#	\$190.00
LSV2-10-2NORP-M				Yes		\$228.00
LSV2-12-2NORP	12-2 (1 1/16-12 UNF-2B)	113.6		No		\$263.00
LSV2-12-2NORP-M				Yes		\$298.00
LSV6-16-2NORP	16-2 (1 5/16-12 UNF-2B)	190.0	350	No	LC3-10-C-*H or	\$450.00
LSV6-16-2NORP-M				Yes	SC-10-C-*ER	\$483.00
Locking Manual Override details on Page 9.07 .						

Note:

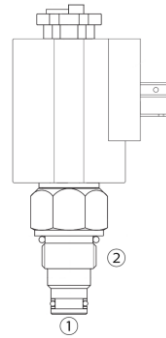
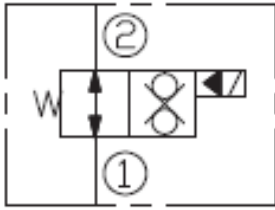
- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- To override, push button in. This will close the valve.
- To return to normal valve function (normally open), release button.

Continued Next Page

2 Way / 2 Position Normally Open Poppet



	① → ②	② → ①
De-Energised	Flow	Flow
Energised	Blocked	Blocked

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV6-08-2NOSP	08-2	50.0	350	No	LC3-10-C-*H or SC-10-C-*ER	\$361.00
LSV6-08-2NOSP-M	(3/4-16 UNF-2B)			Yes		\$409.00
LSV6-10-2NOSP	10-2	70.0		No		\$429.00
LSV6-10-2NOSP-M	(7/8-14 UNF-2B)			Yes		\$475.00
LSV6-12-2NOSP	12-2	150.0		No		\$450.00
LSV6-12-2NOSP-M	(1 1/16-12 UNF-2B)			Yes		\$498.00

Locking Manual Override details on [Page 9.07](#).

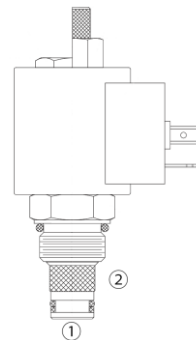
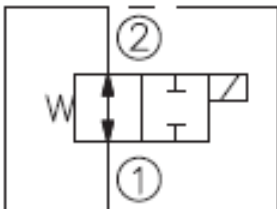
Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).
- The O Ring supplied with the valve is installed between the Coil & Coil Retaining Nut.

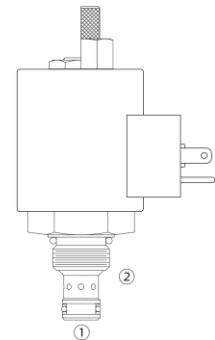
Operation of Manual Override Option:

- To override, push button in. This will close the valve.
- To return to normal valve function (normally open), release button.

2 Way / 2 Position Normally Open Spool



LSV2



LSV5

	① → ②	② → ①
De-Energised	Flow	Flow
Energised	Blocked	Blocked

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-2NOS	08-2 (3/4-16 UNF-2B)	11.4	207	No	LC2-08-C-*#	\$116.00
LSV2-08-2NOS-M				Yes		\$170.00
LSV2-10-2NOS	10-2 (7/8-14 UNF-2B)	22.7		No	LC2-10-C-*#	\$140.00

Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV5-08-2NOS	08-2 (3/4-16 UNF-2B)	11.4	315	No	LC2-10-C-*#	\$178.00
LSV5-08-2NOS-M				Yes		\$233.00

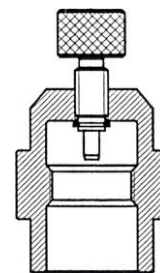
Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).

Operation of Manual Override Option:

- To override, push button in. This will close the valve.
- To return to normal valve function (normally open), release button.

2 Way / 2 Position Locking Manual Overrides



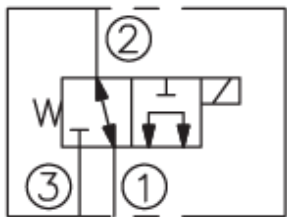
2 Way / 2 Position Cartridge	Order Code	Price
LSV2-08-2NOP-M	L282NOPM-107	\$56.00
LSV2-10-2NOP-M	L2102NOPM-105	
LSV2-12-2NOP-M	L2102NOPM-105	
LSV2-08-2NORP-M	L282NOPM-107	
LSV2-10-2NORP-M	L2102NOPM-105	
LSV2-12-2NORP-M	L2102NOPM-105	
LSV6-08-2NOSP-M	LSV-08M-3-L-104	
LSV6-10-2NOSP-M	LSV-08M-3-L-104	
LSV6-12-2NOSP-M	LSV-08M-3-L-104	
LSV6-16-2NORP-M	LSV-08M-3-L-104	

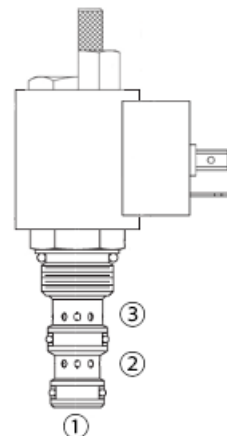
Note: Replace the standard Coil Retaining Nut with the special Coil Retaining Nut.

Locking Manual Override Operation:

- To override, screw the knob clockwise until it stops. This will shift the valve.
- To return to the de-energised position, screw the knob counterclockwise until it stops.

3 Way / 2 Position Valves

Basic Symbol	Transient Condition
	 LSV2-08-3
	 LSV2-10-3



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-3	08-3 (3/4-16 UNF-2B)	11.4	207	No	LC2-08-C-*#	\$135.00
LSV2-08-3-M				Yes		\$164.00
LSV2-10-3	10-3 (7/8-14 UNF-2B)	22.7		No	LC2-10-C-*#	\$166.00
LSV2-10-3-M				Yes		\$205.00

Note:

- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).

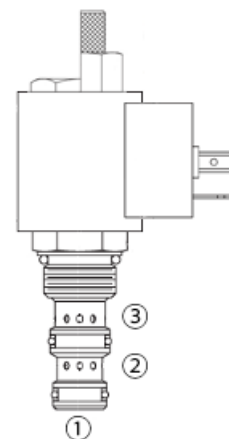
Operation of Locking Manual Override Option:

- Normal Operation, push red button in and turn clockwise.
- To override, push red button in, twist counterclockwise and release.

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3 Way / 2 Position Valves

Basic Symbol	Transient Condition



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-3A	08-3 (3/4-16 UNF-2B)	11.4	207	No	LC2-08-C-*#	\$135.00
LSV2-08-3A-M				Yes		\$174.00

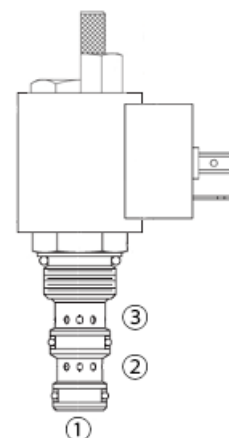
Note:

- Coil & Plug are sold separately.
See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- Normal Operation, push red button in and turn clockwise.
- To override, push red button in, twist counterclockwise and release.

Basic Symbol	Transient Condition



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-3C	08-3 (3/4-16 UNF-2B)	11.4	207	No	LC2-08-C-*#	\$135.00
LSV2-08-3C-M				Yes		\$174.00

Note:

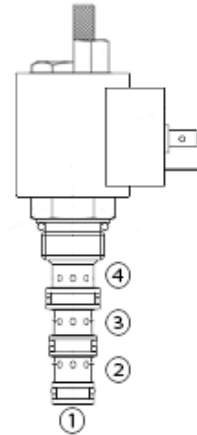
- Coil & Plug are sold separately.
See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- Normal Operation, push red button in and turn clockwise.
- To override, push red button in, twist counterclockwise and release.

4 Way / 2 Position Valves

Basic Symbol	Transient Condition



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-08-4CO	08-4 (3/4-16 UNF-2B)	11.4	207	No	LC2-08-C-*#	\$185.00
LSV2-08-4CO-M				Yes		\$224.00
LSV2-10-4CO	10-4 (7/8-14 UNF-2B)	22.7		No	LC2-10-C-*#	\$225.00
LSV2-10-4CO-M				Yes		\$264.00

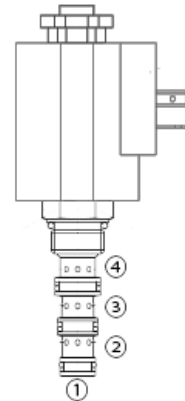
Note:

- Coil & Plug are sold separately.
See [Page 9.12](#) & [Page 9.13](#).

Operation of Locking Manual Override Option:

- Normal Operation, push red button in and turn clockwise.
- To override, push red button in, twist counterclockwise and release.

Basic Symbol	Transient Condition



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil	List Each
LSV2-M20-4RCO-M	HYDAC 08140	20.0	350	Yes	LC3-10-C-*H or SC-10-C-*ER	\$240.00
L2102NOPM-105	Locking Manual Override					\$56.00

Note:

- Valve cannot operate at maximum flow & pressure when using Coil SC-10-C-*ER.
- Coil & Plug are sold separately. See [Page 9.12](#) & [Page 9.13](#).
- The O Ring supplied with the valve is installed between the Coil & Coil Retaining Nut.
- Locking Manual Override is loose supplied, replace the standard Coil Retaining Nut with the special Coil Retaining Nut.

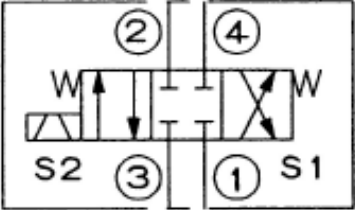
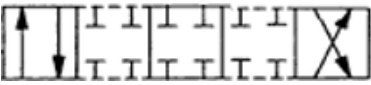
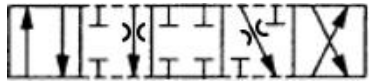
Operation of Manual Override:

- To override, push button in. This will shift the valve.
- To return to the de-energised position, release button.

Operation of Locking Manual Override:

- To override, screw the knob clockwise until it stops. This will shift the valve.
- To return to the de-energised position, screw the knob counterclockwise until it stops.

4 Way / 3 Position Valves

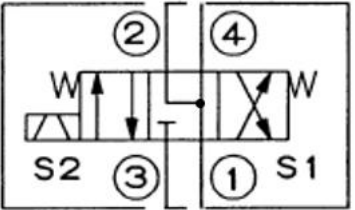
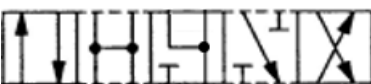
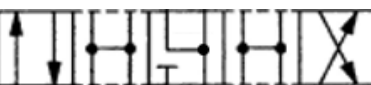
Basic Symbol	Transient Condition
	 LSV-08-34-C
	 LSV2-10-34-C



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil (2 per valve)	List Each
LSV-08-34-C	08-4 (3/4-16 UNF-2B)	13.3	207	N/A	LC2-08-C-*#	\$305.00
LSV2-10-34-C	10-4 (7/8-14 UNF-2B)	22.7			LC2-10-C-*#	\$325.00

Note:

- Coils & Plugs are sold separately. Two each required per valve. See [Page 9.12](#) & [Page 9.13](#).
- Flat Washer supplied with valve is installed between the coils.

Basic Symbol	Transient Condition
	 LSV-08-34-M
	 LSV2-10-34-M



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil (2 per valve)	List Each
LSV-08-34-M	08-4 (3/4-16 UNF-2B)	13.3	207	N/A	LC2-08-C-*#	\$305.00
LSV2-10-34-M	10-4 (7/8-14 UNF-2B)	22.7			LC2-10-C-*#	\$325.00

Note:

- Coils & Plugs are sold separately. Two each required per valve. See [Page 9.12](#) & [Page 9.13](#).
- Flat Washer supplied with valve is installed between the coils.

Continued Next Page

Basic Symbol	Transient Condition
	 LSV-08-34-O
	 LSV2-10-34-O



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil (2 per valve)	List Each
LSV-08-34-O	08-4 (3/4-16 UNF-2B)	11.4	207	N/A	LC2-08-C-*	\$305.00
LSV2-10-34-O	10-4 (7/8-14 UNF-2B)	22.7			LC2-10-C-*	\$325.00

Note:

- Coils & Plugs are sold separately. Two each required per valve. See [Page 9.12](#) & [Page 9.13](#).
- Flat Washer supplied with valve is installed between the coils.

Basic Symbol	Transient Condition
	 LSV-08-34-T
	 LSV2-10-34-T



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Manual Override	Coil (2 per valve)	List Each
LSV-08-34-T	08-4 (3/4-16 UNF-2B)	11.4	207	N/A	LC2-08-C-*	\$305.00
LSV2-10-34-T	10-4 (7/8-14 UNF-2B)	18.9			LC2-10-C-*	\$325.00

Note:

- Coils & Plugs are sold separately. Two each required per valve. See [Page 9.12](#) & [Page 9.13](#).
- Flat Washer supplied with valve is installed between the coils.

Coils



Order Code	Voltage/Watts	Watts	Coil Connector	List Each
LC2-08-C-1H	12V DC	17	DIN	\$42.00
LC2-08-C-2H	24V DC			
LC2-08-C-3H	110V AC			\$50.00
LC2-08-C-4H	220V AC			
LC2-10-C-1H	12V DC	20		\$57.00
LC2-10-C-2H	24V DC			
LC2-10-C-3H	110V AC			\$64.00
LC2-10-C-4H	220V AC			
LC3-10-C-1H	12V DC	26		\$57.00
LC3-10-C-2H	24V DC			
LC3-10-C-3H	110V AC			\$62.00
LC3-10-C-4H	220V AC			
LC6-08-S-1H	12V DC	21		\$57.00
LC6-08-S-2H	24V DC			
LC6-08-S-3H	110V AC			\$62.00
LC6-08-S-4H	220V AC			
LC2-08-C-1ER	12V DC	17	Deutsch	\$59.00
LC2-08-C-2ER	24V DC			
LC2-10-C-1ER	12V DC	20		\$70.00
LC2-10-C-2ER	24V DC			
SC-10-C-1ER	12V DC	22		\$70.00
SC-10-C-2ER	24V DC			
LC6-08-S-1ER	12V DC	21		\$70.00
LC6-08-S-2ER	24V DC			

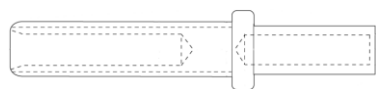
Note:

- Coil must be installed with letters up, so they are closest to the Coil Retaining Nut.
- On LSV6 valves the O Ring supplied with the valve is installed between the Coil & Coil Retaining Nut.
- On 4/3 valves the Flat Washer supplied with the valve is installed between the coils.
- Din Plugs & Deutsch Plugs are sold separately. See next page.

DIN & Deutsch Plugs

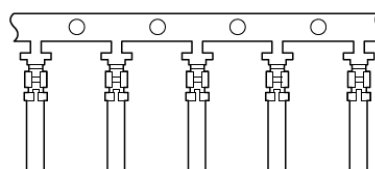


Order Code	Voltage	Description	List Each
C01010001-N	DC	DIN Light Plug - DC	\$16.00
C01010004-N	AC	DIN Light Plug - AC	
DT06-2S-0462	DC	Deutsch Plug - Male (Includes 2 pcs Solid Socket)	\$15.00
0462-209-16141x10	N/A	Deutsch Plug Solid Socket (Female Pins) - Pack of 10 pcs (Spare Parts)	\$50.00



Solid Socket

(Manufactured by a cold heading process of solid copper alloys or machined. Better for vibration.)



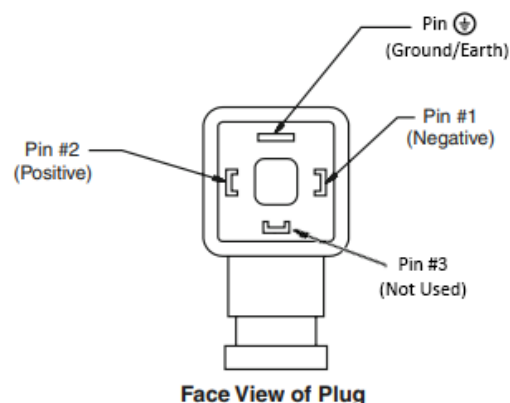
Stamped & Formed Sockets

(Stamped out of a sheet of flat metal and then formed to the required shape. Lower cost.)

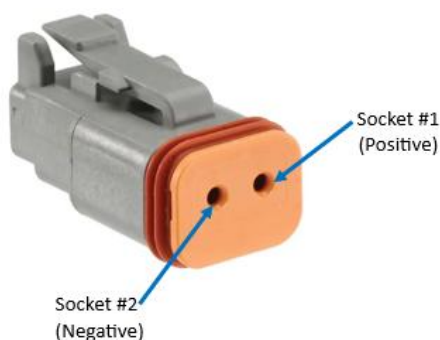


DIN Plug Wiring Information

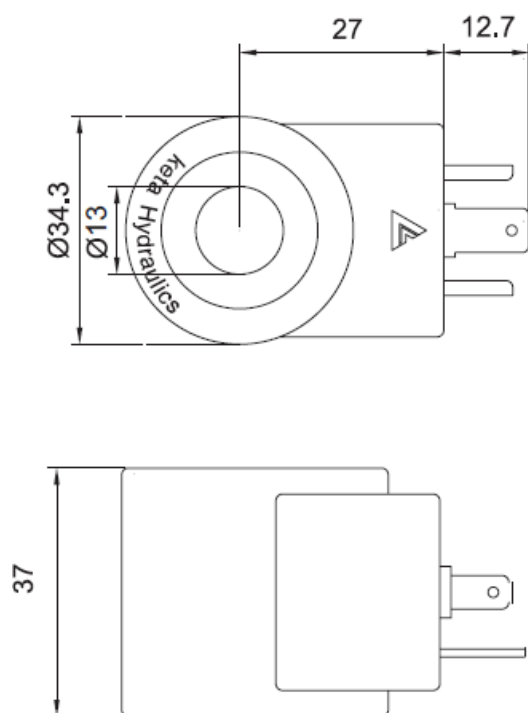
Note: For AC Voltage Pin $\oplus$ (Ground/Earth) must be connected. Not required for DC Voltage.



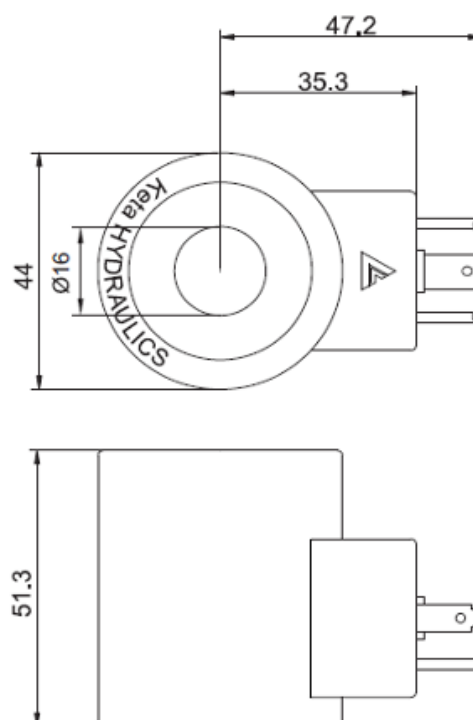
Deutsch Plug Wiring Information



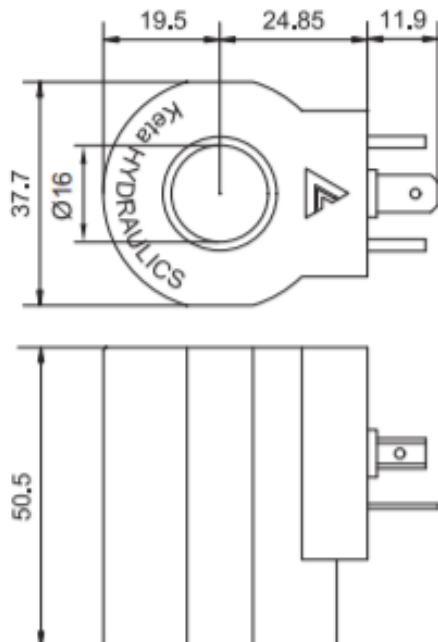
Coil Dimensions – Hirschmann (DIN Connector)



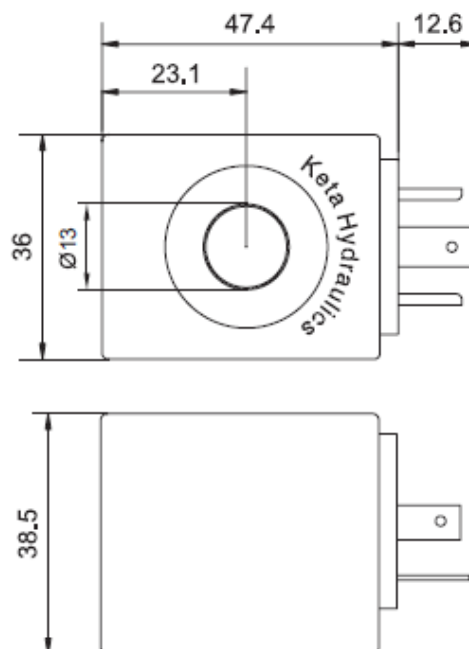
LC2-08-C-*H



LC2-10-C-*H



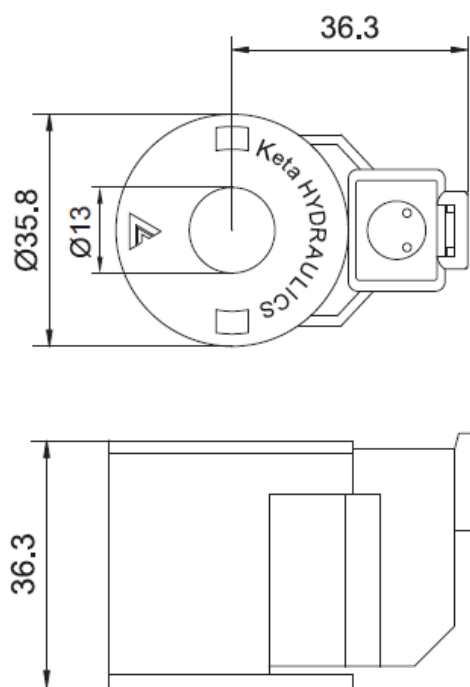
LC3-10-C-*H



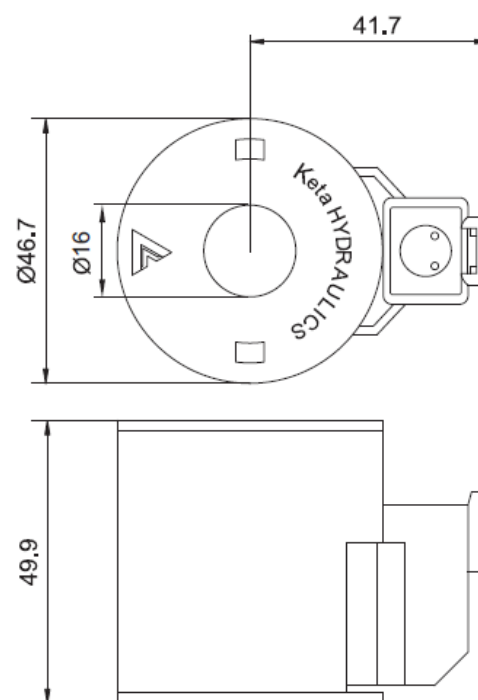
LC6-08-S-*H

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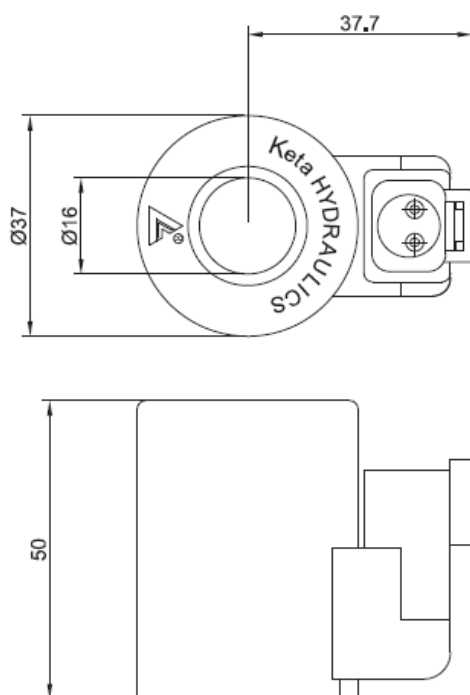
Coil Dimensions - Deutsch Connector



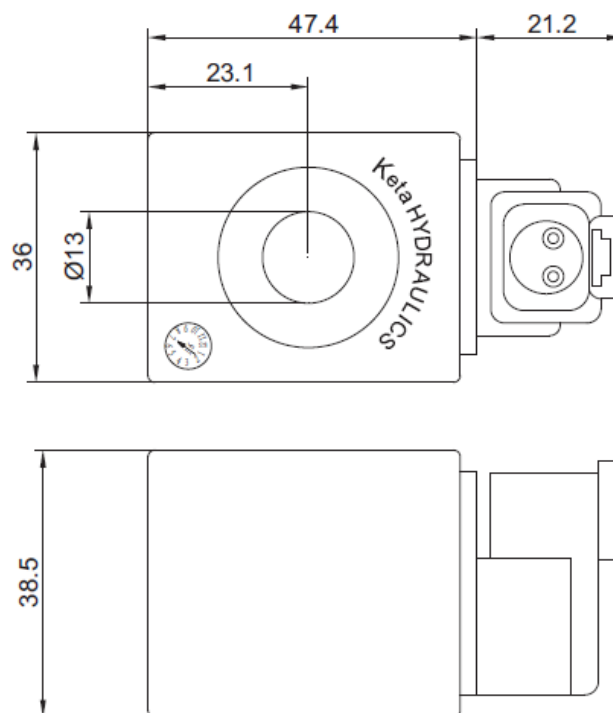
LC2-08-C-*ER



LC2-10-C-*ER

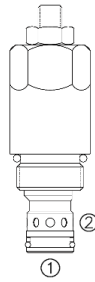
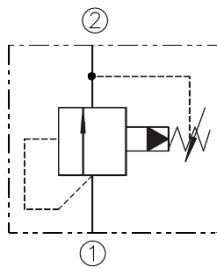


SC-10-C-*ER



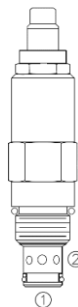
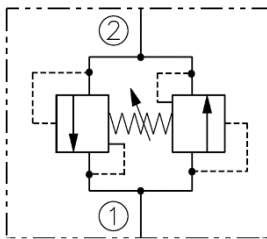
LC6-08-S-*ER

Pressure Relief Valves (Pilot Operated, Two Stage, Spool)



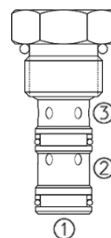
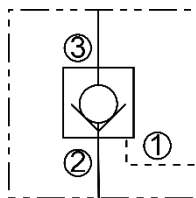
Order Code	Cavity	Max. Flow (L/min)	Adjustable Pressure (bar)	Factory Set (bar)	Max. Pressure (bar)	List Each
LPSRV2-08-15	08-2 (3/4-16 UNF-2B)	37.8	3.5 - 103	31	350	\$123.00
LPSRV2-08-30			3.5 - 207	65.5		
LPSRV2-08-50			3.5 - 350	103		
LPSRV2-10-8	10-2 (7/8-14 UNF-2B)	113.6	7 - 55	47	420	\$129.00
LPSRV2-10-20			35 - 140	48		
LPSRV2-10-40			70 - 280	88		
LPSRV2-10-60			140 - 420	140		\$140.00

Bi-Directional Relief Valves (Direct Acting, Differential Area, Poppet)



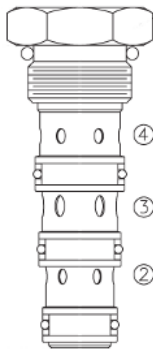
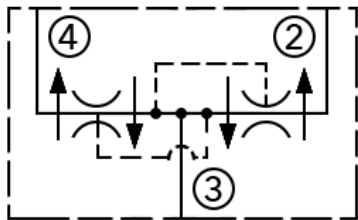
Order Code	Cavity	Max. Flow (L/min)	Adjustable Pressure (bar)	Factory Set (bar)	Max. Pressure (bar)	List Each
LBRV2-10-24/0138	10-2 (7/8-14 UNF-2B)	60	20 - 168	138	240	\$275.00
LBRV2-10-30/0138			100 - 210			

Pilot Operated Check Valves



Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Free Flow Cracking Pressure (bar)	List Each
LPC-10-N-1.7	10-3 (7/8-14 UNF-2B)	22.7	250	3.5 : 1	1.7	\$98.00

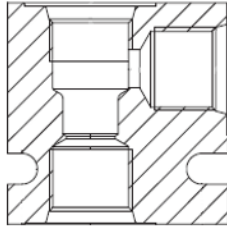
Flow Divider / Combiner



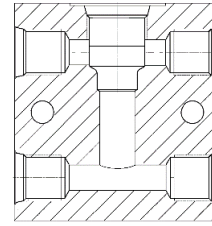
Order Code	Cavity	Max. Inlet Flow at ③ (L/min)	Ratio	Max. Pressure (bar)	List Each
LFD-10-3.0	10-4 (7/8-14 UNF-2B) (Use Body P/N LB10-4-A-*G/S)	11.4	50 : 50	240	\$235.00
LFD-10-6.0		22.7			
LFD-10-12.0		45.4			
LFD-10-16.0		60.6			

Common Cavity Bodies

2 Way Aluminium (6061T6)



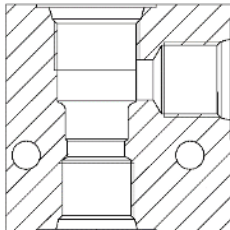
LB-2-A-****



LB10-2-A-4G4

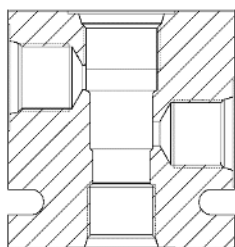
Order Code	Cavity	Port Size	Max. Pressure (bar)	List Each
LB08-2-A-2G	08-2 (3/4-16 UNF-2B)	G 1/4	210	\$53.00
LB08-2-A-3G		G 3/8		
LB10-2-A-4G	10-2 (7/8-14 UNF-2B)	G 1/2		\$59.00
LB10-2-A-8T		SAE 8 (3/4" UNO)		
LB10-2-A-4G4		G 1/2		\$155.00
LB12-2-A-6G	12-2 (1 1/16-12 UNF-2B)	G 3/4		\$99.00
LB12-2-A-8G		G 1		
LB16-2-A-8G	16-2 (1 5/16-12 UNF-2B)	G 1		\$132.00

2 Way Steel (Black Oxide)



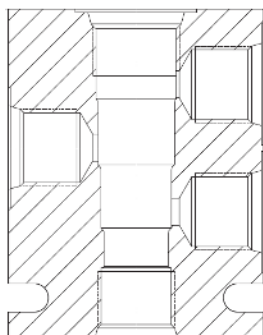
Order Code	Cavity	Port Size	Max. Pressure (bar)	List Each
LB08-2-S-3G	08-2 (3/4-16 UNF-2B)	G 3/8	350	\$78.00
LB10-2-S-4G	10-2 (7/8-14 UNF-2B)	G 1/2		\$89.00
LB12-2-S-6G	12-2 (1 1/16-12 UNF-2B)	G 3/4		\$149.00
LB12-2-S-8G		G 1		
LB16-2-S-8G	16-2 (1 5/16-12 UNF-2B)	G 1		\$198.00

3 Way Aluminium (6061T6)

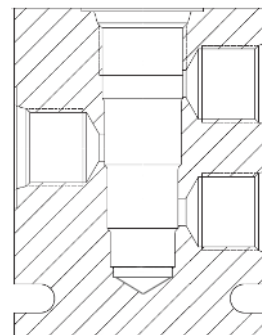


Order Code	Cavity	Port Size	Max. Pressure (bar)	List Each
LB08-3-A-2G	08-3 (3/4-16 UNF-2B)	G 1/4	210	\$74.00
LB08-3-A-3G		G 3/8		
LB10-3-A-3G	10-3 (7/8-14 UNF-2B)	G 3/8		\$80.00
LB10-3-A-4G		G 1/2		

4 Way Aluminium (6061T6)



LB-4-A-*G**

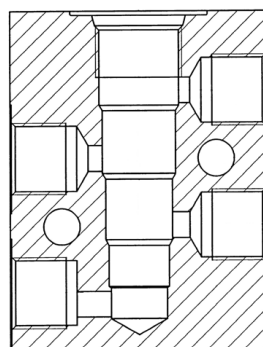


LB10-4-A-*G/S

Order Code	Cavity	Port Size	Max. Pressure (bar)	List Each
LB08-4-A-2G	08-4 (3/4-16 UNF-2B)	G 1/4	210	\$99.00
LB08-4-A-3G		G 3/8		
LB10-4-A-3G	10-4 (7/8-14 UNF-2B)	G 3/8		\$112.00
LB10-4-A-3G/S		G 3/8		
LB10-4-A-4G		G 1/2		
LB10-4-A-4G/S		G 1/2		

Note: LB10-4-A-*G/S is 3 port body for use with LFD-10-*0 Flow Divider.

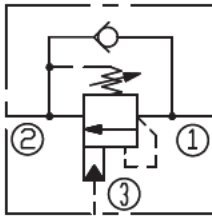
4 Way Steel (Black Oxide)



Order Code	Cavity	Port Size	Max. Pressure (bar)	List Each
LB08140-S-3G	HYDAC 08140	G 3/8	350	\$179.00

SUN Cavity Cartridges

Counterbalance Valves - 3 Port Non Vented

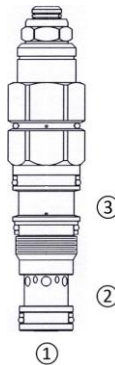
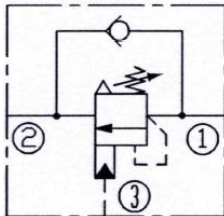


Order Code	Cavity	Max. Flow (L/min)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Adjustable Pressure (bar)	Factory Set (bar)	List Each
LCBCA-LAN	T-11A	60	3 : 1	0.3	70 - 280	210	\$165.00
LCBCA-LHN			3 : 1	1.7	70 - 280	210	\$165.00
LCBCA-LIN			3 : 1	1.7	25 - 105	70	\$165.00
LCBCH-LJN			10 : 1	1.7	140 - 350	210	\$178.00
LCBEA-LHN	T-2A	120	3 : 1	1.7	70 - 280	210	\$246.00

Note:

- Two check valve cracking pressures are available. Use the 1.7 bar check unless actuator cavitation is a concern. Generally, the 1.7 bar check spring is recommended for most applications as it is more robust and insensitive to rapid flow reversals. The 0.3 bar check spring should be used if there is a need to pull in make-up oil.
- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure and 1.5 times when valve is set below 140 bar.

Counterbalance Valve - 3 Port Atmospherically Vented



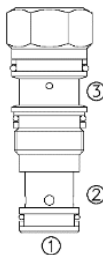
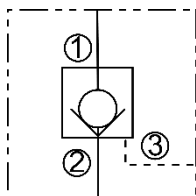
Order Code	Cavity	Max. Flow (L/min)	Pilot Ratio	Free Flow Cracking Pressure (bar)	Adjustable Pressure (bar)	Factory Set (bar)	List Each
LCACA-LHN	T-11A	60	3 : 1	2.8	70 - 280	210	\$240.00

Note:

- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure and 1.5 times when valve is set below 140 bar.

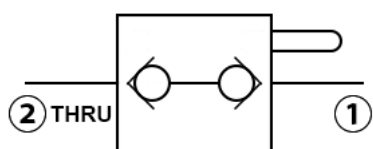
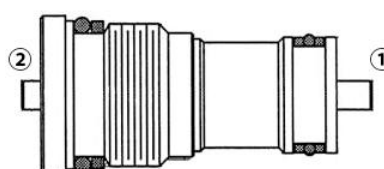
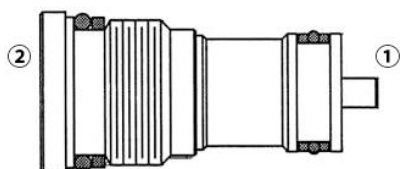
Maximum Recommended Load Induced Pressure at Maximum Setting (bar)	
LCBCA-LAN	215
LCBCA-LHN	215
LCBCA-LIN	80
LCBCH-LJN	270
LCBEA-LHN	215
LCACA-LHN	215

Pilot Operated Check Valves

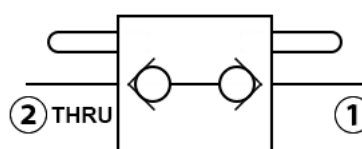


Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Pilot Ratio	Pilot Piston Seal	Free Flow Cracking Pressure (bar)	List Each
LCKBB-XCN	T-163A	30	350	3 : 1	No	2.0	\$100.00
LCKCB-XCN	T-11A	60			No		\$123.00
LCKCD-XCN	T-11A	60			Yes		\$123.00

Mechanically Operated Back-to-Back (Cylinder Phasing) Check Valves



LCDAP-MCN

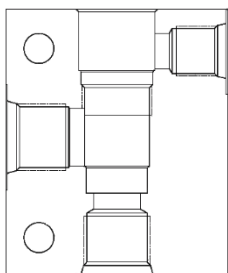


LCDAQ-MCN

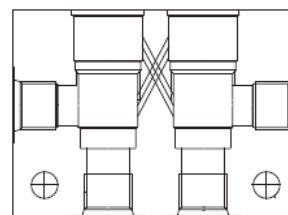
Order Code	Cavity	Max. Flow (L/min)	Max. Pressure (bar)	Free Flow Cracking Pressure (bar)	Function	List Each
LCDAP-MCN	T-162DP	4.7	350	2.0	Single	\$170.00
LCDAQ-MCN					Double	\$195.00

SUN Cavity Bodies

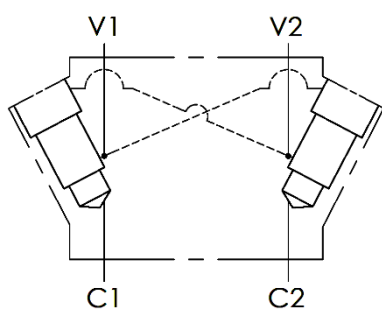
3 Way Bodies



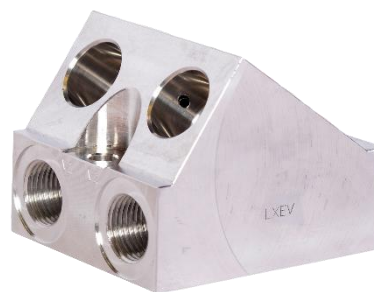
LECV / LBCW



LYEV / LYAW



LXEV



LXEV

Order Code	Description	Cavity	Body Material	Port Size	Pilot Port	Max. Pressure (bar)	List Each
LECV	3 Port Body	T-11A x 1	Aluminium (6061T6)	G 1/2	G 1/4	210	\$87.00
LBCW		T-2A x 1		G 3/4			\$117.00
LXEV	4 Port Body	T-11A x 2		G 1/2	N/A		\$216.00
LYEV		T-11A x 2		G 1/2			\$150.00
LYAW		T-2A x 2		G 3/4			\$235.00

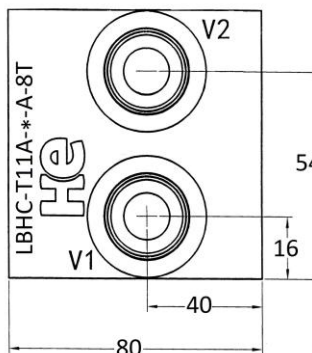
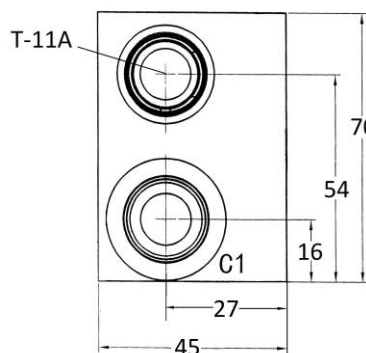
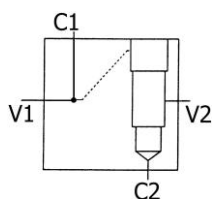
Cylinder Mount Counterbalance & Pilot Operated Check Valves



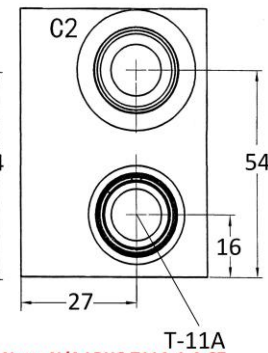
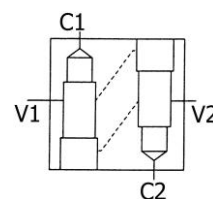
Order Code	Cavity	Ports	Material	Max. Pressure (bar)	List Each
LBHC-T11A-1-A-8T	T-11A x 1	3/4" UNO	Aluminium (6061T6)	210	\$134.00
LBHC-T11A-2-A-8T	T-11A x 2				\$160.00
LBHC-T2A-1-A-12T	T-2A x 1	1 1/16" UNO			\$182.00
LBHC-T2A-2-A-12T	T-2A x 2				\$210.00

Note: LBHC-T*A-1-A -*T (single cavity body), load is held on port C2.

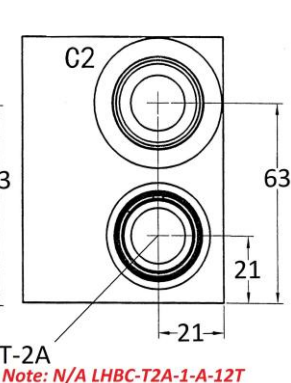
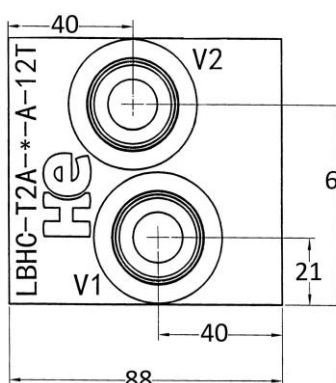
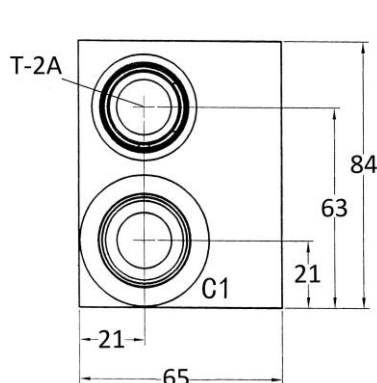
LBHC-T*A-1-A-*T



LBHC-T*A-2-A-*T



Note: N/A LBHC-T11A-1-A-8T



Note: N/A LBHC-T2A-1-A-12T

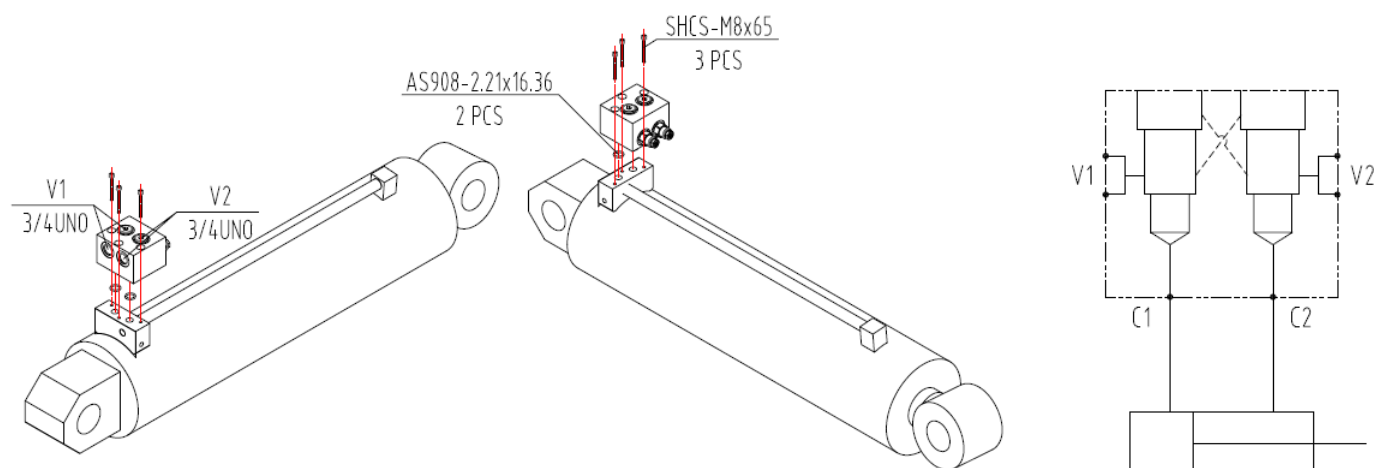
Continued Next Page

Elbow Fittings



Order Code	Threads	HC Cylinder Bore	List Each
6807-08-06-NWO	3/4" UNO x 9/16" UNO	1.5" - 2.0"	\$31.00
6807-08-08-NWO	3/4" UNO x 3/4" UNO	2.5" - 5.0"	

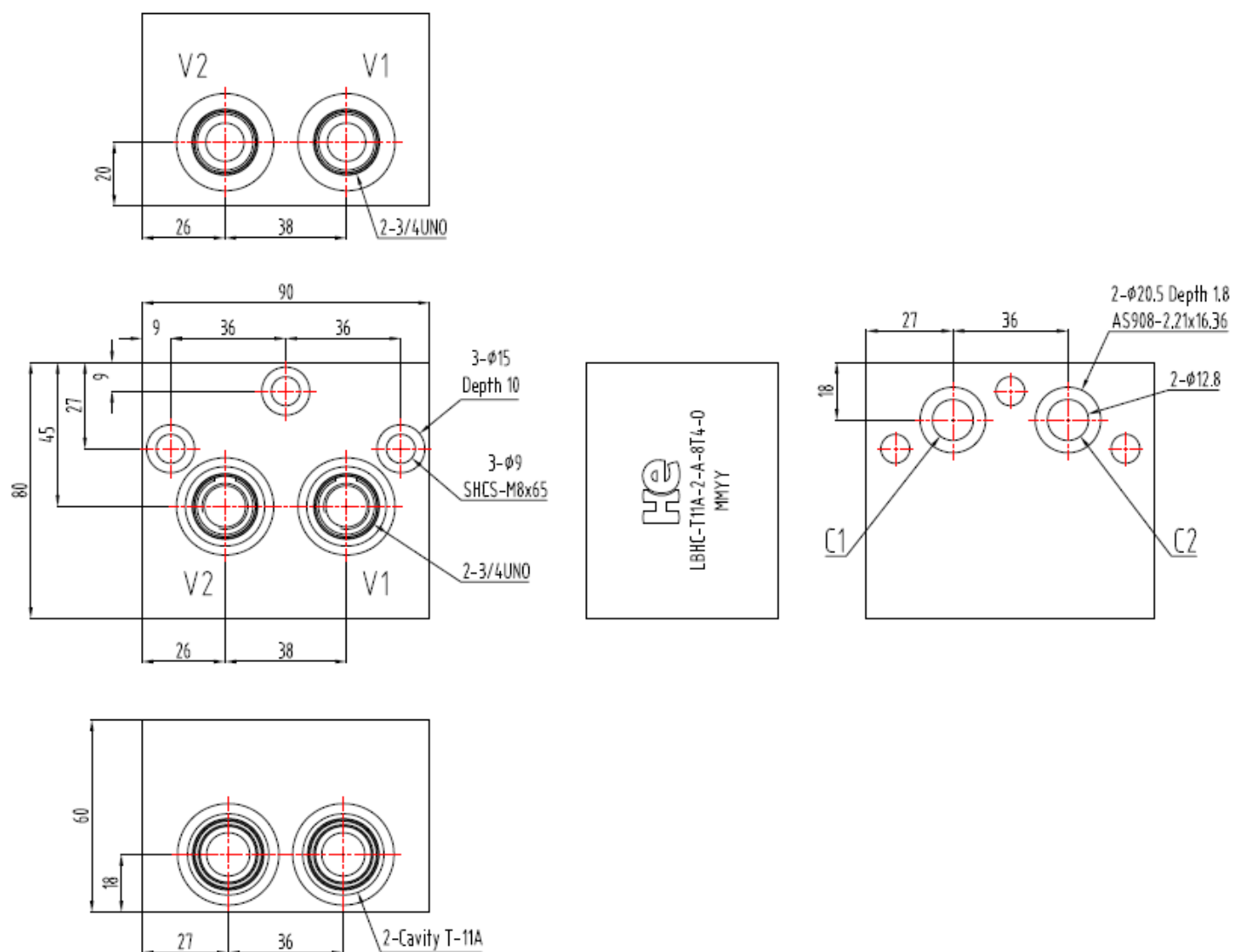
- Note:**
- Elbow Fitting allows direct mounting of body to cylinder port. Not available for LBHC-T2A-*A-12T.
 - Tube & Fittings from body to the other cylinder port are not supplied.
 - LBHC-T*A-1-A -*T (single cavity body), load is held on port C2.



Order Code	Cavity	Ports	Material	Max. Pressure (bar)	List Each
LBHC-T11A-2-A-8T4-O	T-11A x 2	3/4" UNO	Aluminium (6061T6)	210	\$208.00

Note:

- Body supplied with 2 pcs O ring, 3 pcs SHCS & 2 pcs SAE 8 Steel Port Plug.
- The subplate that is welded to the cylinder is not included.



Custom Built Manifolds & Bodies



Keta Hydraulics can design and manufacture custom-built manifolds and bodies of any size. Manufactured from either Aluminium (6061T6) or Steel this is an economical way to assemble a hydraulic circuit in a compact package with minimal pipework.