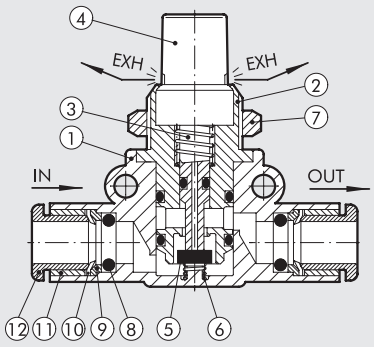
IN-LINE SHUTOFF VALVE SERIES V2V L AND V3V L

V2V L and V3V L shutoff valves belong to the LINE ON LINE® family which means they can be connected to all the other components in series or in parallel. Available in the version for pipe-pipe connection with two push-in fittings, and in the version for thread-pipe connection with a brass nickel-plated male thread and a push-in fitting.
V2V is a two-way unidirectional valve, while V3V is a three-way valve with free discharge in the area around the control knob.
The locked version is probably the smallest available on the market.
A lock is provided to ensure the valve is kept in the closed position during machine maintenance. The valve is supplied complete with a lock and two keys.

TECHNICAL DATA		Ø 6	Ø 1/4"	Ø 8 (Ø5/16")	Ø 3/8"	Ø 10
Operating pressure	MPa	1				
	bar	10				
	psi	145				
Temperature range	°C	– 20 to + 60				
	°F	– 4 to + 140				
Flow rate at 6.3 bar ΔP 1 bar	Nl/min	280	280	470	600	600
Exhaust flow rate at 6.3 bar	Nl/min	110	110	110	110	110
Recommended pipe		Rilsan PA11 - Nylon 6 - Polyamide 12 - Polypropylene				
Fluid		Lubricated or unlubricated filtered compressed air; if used, must be continuous				
Compatibility with oils		See **chapter Z1**				

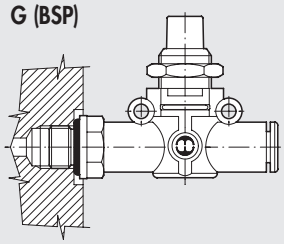
COMPONENTS

① Technopolymer body
② Nickel-plated brass insert
③ Brass rod
④ Technopolymer knob
⑤ NBR valve
⑥ Stainless steel valve compression spring
⑦ Nickel-plated brass wall-mount ring nut
⑧ NBR gasket
⑨ Technopolymer spring ring
⑩ Stainless steel folding spring
⑪ Technopolymer locking bushing
⑫ Technopolymer release bushing

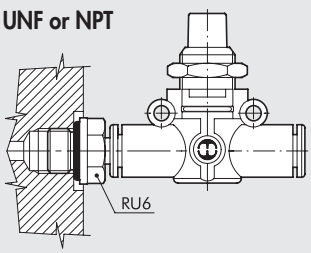


ASSEMBLY OPTIONS

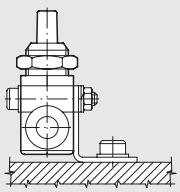
Ⓐ
G (BSP)



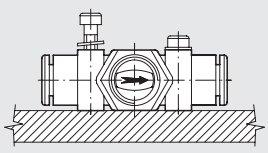
UNF or NPT



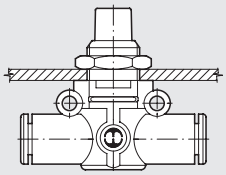
Ⓑ



Ⓒ

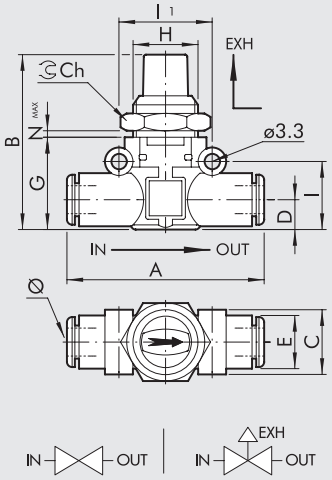


Ⓓ



How to mount the V2V/V3V L:
- Fig. Ⓐ **G (BSP)**: With the male threaded port it is possible to mount the V2V/V3V L straight onto the female thread.
  UNF or NPT: Adding a RU6 fitting, with his male UNF or NPT thread, it is possible to mount the V2V/V3V L straight on to the actuator or the control valve.
- Fig. Ⓑ Fixing to the plate with the special SQU L bracket, except for Ø3/8 and Ø10.
- Fig. Ⓒ There are two robust rings on the plastic body for fixing the V2V/V3V L straight onto the wall.
- Fig. Ⓓ The rig nut is screwed onto the threaded metal part of the V2V/V3V L body for panel mounting.

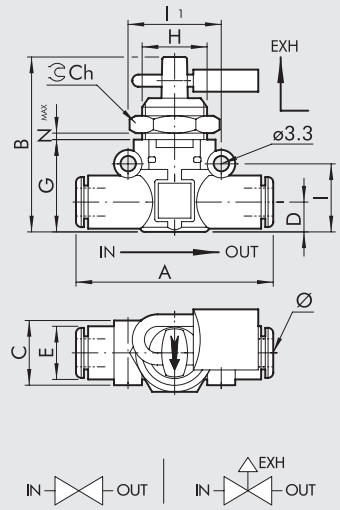
V2V/V3V L PIPE - PIPE



Code	Ref.	Ø	A	B	C	D	E	G	H	I	I1	Ch	Nmax
9065016	V2V L Ø6-Ø6	6	49.4	41	14.7	6.4	11.4	21	M15x1	14.6	20	17	5.5
9066016	V3V L Ø6-Ø6												
9065016U	V2V L Ø1/4-Ø1/4	1/4	49.4	41	14.7	6.4	11.4	21	M15x1	14.6	20	17	5.5
9066016U	V3V L Ø1/4-Ø1/4												
9065024	V2V L Ø8-Ø8	8 ▲	57.3	46	18.7	9.1	13.8	26	M15x1	18.7	24	17	5.5
9066024	V3V L Ø8-Ø8												
9065032U	V2V L Ø3/8-Ø3/8	3/8	65	52	21	10.9	16	30	M18x1.5	21.4	26	22	5
9066032U	V3V L Ø3/8-Ø3/8												
9065032	V2V L Ø10-Ø10	10	65	52	21	10.9	16	30	M18x1.5	21.4	26	22	5
9066032	V3V L Ø10-Ø10												

▲ **Ø8** = Ø5/16"

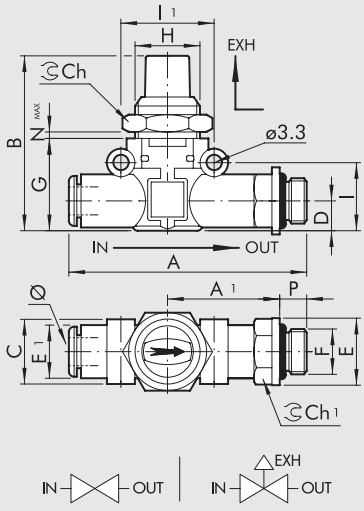
V2V/V3V L PIPE - PIPE PADLOCKED



Code	Ref.	Ø	A	B	C	D	E	G	H	I	I1	Ch	Nmax
9065116	V2V L Ø6-Ø6 KEY	6	49.4	41	14.7	6.4	11.4	21	M15x1	14.6	20	17	5.5
9066116	V3V L Ø6-Ø6 KEY												
9065116U	V2V L Ø1/4-Ø1/4 KEY	1/4	49.4	41	14.7	6.4	11.4	21	M15x1	14.6	20	17	5.5
9066116U	V3V L Ø1/4-Ø1/4 KEY												
9065124	V2V L Ø8-Ø8 KEY	8 ▲	57.3	46	18.7	9.1	13.8	26	M15x1	18.7	24	17	5.5
9066124	V3V L Ø8-Ø8 KEY												
9065132U	V2V L Ø3/8-Ø3/8 KEY	3/8	65	52	21	10.9	16	30	M18x1.5	21.4	26	22	5
9066132U	V3V L Ø3/8-Ø3/8 KEY												
9065132	V2V L Ø10-Ø10 KEY	10	65	52	21	10.9	16	30	M18x1.5	21.4	26	22	5
9066132	V3V L Ø10-Ø10 KEY												

▲ **Ø8** = Ø5/16"

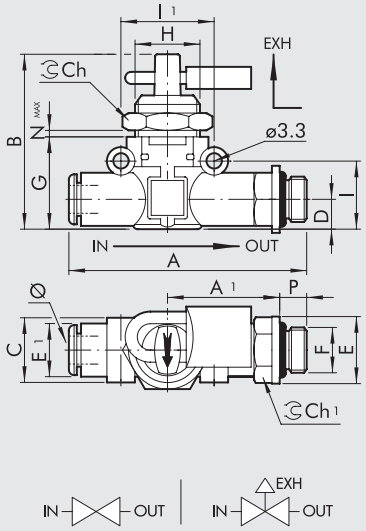
V2V/V3V L PIPE - G (BSP) THREAD



Code	Ref.	Ø	F	P	A	A1	B	C	D	E	E1	G	H	I	I1	Ch	Ch1	Nmax
9065208	V2V L Ø6-1/8	6	1/8	6	58.5	27.8	41	14.7	6.4	14	11.4	21	M15x1	14.6	20	17	12	5.5
9066208	V3V L Ø6-1/8																	
9065209	V2V L Ø6-1/4	6	1/4	8	61.5	28.8	41	14.7	6.4	18	11.4	21	M15x1	14.6	20	17	14	5.5
9066209	V3V L Ø6-1/4																	
9065210	V2V L Ø8-1/8	8 ▲	1/8	6	66.2	31.8	46	18.7	9.1	15	13.8	26	M15x1	18.7	24	17	14	5.5
9066210	V3V L Ø8-1/8																	
9065211	V2V L Ø8-1/4	8 ▲	1/4	8	70.6	34.2	46	18.7	9.1	18	13.8	26	M15x1	18.7	24	17	14	5.5
9066211	V3V L Ø8-1/4																	
9065212	V2V L Ø8-3/8	8 ▲	3/8	9	72.2	34.8	46	18.7	9.1	22	13.8	26	M15x1	18.7	24	17	17	5.5
9066212	V3V L Ø8-3/8																	
9065215	V2V L Ø10-1/4	10	1/4	8	79.9	39.2	52	20.7	10.9	18	16	30	M18x1.5	21.4	26	22	16	5
9066215	V3V L Ø10-1/4																	
9065216	V2V L Ø10-3/8	10	3/8	9	81.2	40.4	52	20.7	10.9	20	16	30	M18x1.5	21.4	26	22	17	5
9066216	V3V L Ø10-3/8																	
9065217	V2V L Ø10-1/2	10	1/2	11	83.7	40	52	20.7	10.9	26	16	30	M18x1.5	21.4	26	22	22	5
9066217	V3V L Ø10-1/2																	

▲ **Ø8** = Ø5/16"

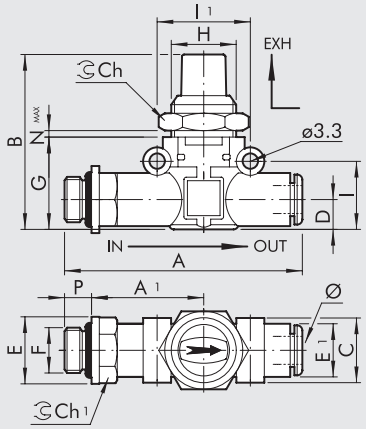
V2V/V3V L PIPE - G (BSP) THREAD PADLOCKED



Code	Ref.	Ø	F	P	A	A1	B	C	D	E	E1	G	H	I	I1	Ch	Ch1	Nmax
9065308	V2V L Ø6-1/8 KEY	6	1/8	6	58.5	27.8	41	14.7	6.4	14	11.4	21	M15x1	14.6	20	17	12	5.5
9066308	V3V L Ø6-1/8 KEY																	
9065309	V2V L Ø6-1/4 KEY	6	1/4	8	61.5	28.8	41	14.7	6.4	18	11.4	21	M15x1	14.6	20	17	14	5.5
9066309	V3V L Ø6-1/4 KEY																	
9065310	V2V L Ø8-1/8 KEY	8▲	1/8	6	66.2	31.8	46	18.7	9.1	15	13.8	26	M15x1	18.7	24	17	14	5.5
9066310	V3V L Ø8-1/8 KEY																	
9065311	V2V L Ø8-1/4 KEY	8▲	1/4	8	70.6	34.2	46	18.7	9.1	18	13.8	26	M15x1	18.7	24	17	14	5.5
9066311	V3V L Ø8-1/4 KEY																	
9065312	V2V L Ø8-3/8 KEY	8▲	3/8	9	72.2	34.8	46	18.7	9.1	22	13.8	26	M15x1	18.7	24	17	17	5.5
9066312	V3V L Ø8-3/8 KEY																	
9065315	V2V L Ø10-1/4 KEY	10	1/4	8	79.9	39.2	52	20.7	10.9	18	16	30	M18x1.5	21.4	26	22	16	5
9066315	V3V L Ø10-1/4 KEY																	
9065316	V2V L Ø10-3/8 KEY	10	3/8	9	81.2	40.4	52	20.7	10.9	20	16	30	M18x1.5	21.4	26	22	17	5
9066316	V3V L Ø10-3/8 KEY																	
9065317	V2V L Ø10-1/2 KEY	10	1/2	11	83.7	40	52	20.7	10.9	26	16	30	M18x1.5	21.4	26	22	22	5
9066317	V3V L Ø10-1/2 KEY																	

▲ **Ø8** = Ø5/16"

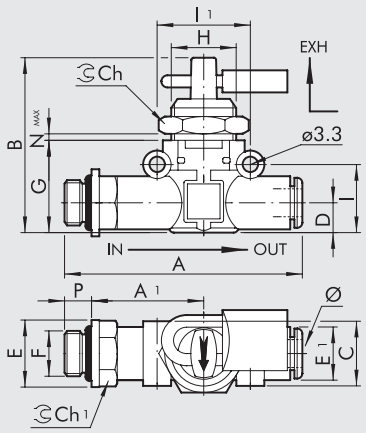
V2V/V3V L G (BSP) THREAD - PIPE



Code	Ref.	F	Ø	P	A	A1	B	C	D	E	E1	G	H	I	I1	Ch	Ch1	Nmax
9065408	V2V L 1/8-Ø6	1/8	6	6	58.5	27.8	41	14.7	6.4	14	11.4	21	M15x1	14.6	20	17	12	5.5
9066408	V3V L 1/8-Ø6																	
9065409	V2V L 1/4-Ø6	1/4	6	8	61.5	28.8	41	14.7	6.4	18	11.4	21	M15x1	14.6	20	17	14	5.5
9066409	V3V L 1/4-Ø6																	
9065410	V2V L 1/8-Ø8	1/8	8▲	6	66.2	31.8	46	18.7	9.1	15	13.8	26	M15x1	18.7	24	17	14	5.5
9066410	V3V L 1/8-Ø8																	
9065411	V2V L 1/4-Ø8	1/4	8▲	8	70.6	34.2	46	18.7	9.1	18	13.8	26	M15x1	18.7	24	17	14	5.5
9066411	V3V L 1/4-Ø8																	
9065412	V2V L 3/8-Ø8	3/8	8▲	9	72.2	34.8	46	18.7	9.1	22	13.8	26	M15x1	18.7	24	17	17	5.5
9066412	V3V L 3/8-Ø8																	
9065415	V2V L 1/4-Ø10	1/4	10	8	79.9	39.2	52	20.7	10.9	18	16	30	M18x1.5	21.4	26	22	16	5
9066415	V3V L 1/4-Ø10																	
9065416	V2V L 3/8-Ø10	3/8	10	9	81.2	40.4	52	20.7	10.9	20	16	30	M18x1.5	21.4	26	22	17	5
9066416	V3V L 3/8-Ø10																	
9065417	V2V L 1/2-Ø10	1/2	10	11	83.7	40	52	20.7	10.9	26	16	30	M18x1.5	21.4	26	22	22	5
9066417	V3V L 1/2-Ø10																	

▲ **Ø8** = Ø5/16"

V2V/V3V L G (BSP) THREAD - PIPE PADLOCKED



Code	Ref.	F	Ø	P	A	A1	B	C	D	E	E1	G	H	I	I1	Ch	Ch1	Nmax
9065508	V2V L 1/8-Ø6 KEY	1/8	6	6	58.5	27.8	41	14.7	6.4	14	11.4	21	M15x1	14.6	20	17	12	5.5
9066508	V3V L 1/8-Ø6 KEY																	
9065509	V2V L 1/4-Ø6 KEY	1/4	6	8	61.5	28.8	41	14.7	6.4	18	11.4	21	M15x1	14.6	20	17	14	5.5
9066509	V3V L 1/4-Ø6 KEY																	
9065510	V2V L 1/8-Ø8 KEY	1/8	8▲	6	66.2	31.8	46	18.7	9.1	15	13.8	26	M15x1	18.7	24	17	14	5.5
9066510	V3V L 1/8-Ø8 KEY																	
9065511	V2V L 1/4-Ø8 KEY	1/4	8▲	8	70.6	34.2	46	18.7	9.1	18	13.8	26	M15x1	18.7	24	17	14	5.5
9066511	V3V L 1/4-Ø8 KEY																	
9065512	V2V L 3/8-Ø8 KEY	3/8	8▲	9	72.2	34.8	46	18.7	9.1	22	13.8	26	M15x1	18.7	24	17	17	5.5
9066512	V3V L 3/8-Ø8 KEY																	
9065515	V2V L 1/4-Ø10 KEY	1/4	10	8	79.9	39.2	52	20.7	10.9	18	16	30	M18x1.5	21.4	26	22	16	5
9066515	V3V L 1/4-Ø10 KEY																	
9065516	V2V L 3/8-Ø10 KEY	3/8	10	9	81.2	40.4	52	20.7	10.9	20	16	30	M18x1.5	21.4	26	22	17	5
9066516	V3V L 3/8-Ø10 KEY																	
9065517	V2V L 1/2-Ø10 KEY	1/2	10	11	83.7	40	52	20.7	10.9	26	16	30	M18x1.5	21.4	26	22	22	5
9066517	V3V L 1/2-Ø10 KEY																	

▲ **Ø8** = Ø5/16"