

# IN-LINE PRESSURE GAUGE SERIES MAN L

The MAN L pressure gauge belongs to the LINE ON LINE® family, which means it can be connected to all the other components in series or in parallel.

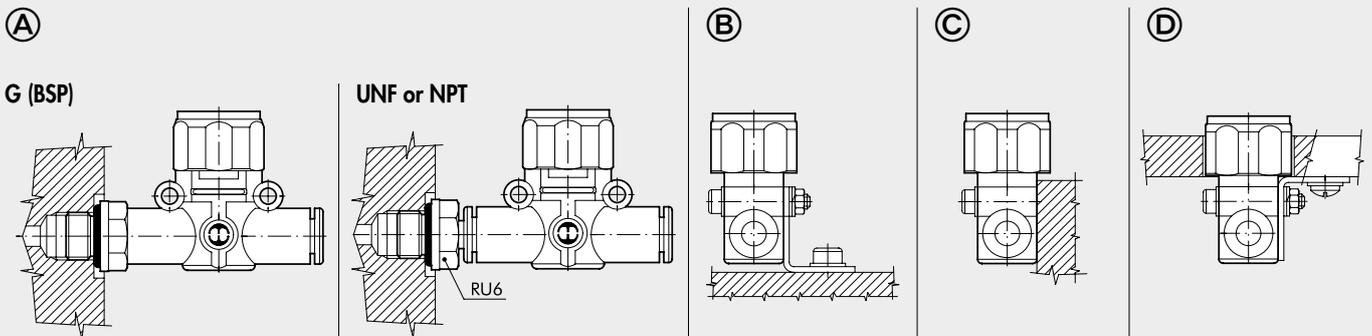
Available in the version for pipe-pipe connection with two push-in fittings, and in the version for thread-pipe connection with a brass nickel-plated male thread and a push-in fitting.

Though small in size, this pressure gauge, which is supplied in a metal casing, ensures accurate reading. It can be angled in any direction simply by rotating manually.



TECHNICAL DATA		Ø 4 (Ø5/32")	Ø 6	Ø 1/4"	Ø 8 (Ø5/16")	Ø 3/8"	Ø 10
Operating pressure	MPa				1.2		
	bar				12		
	psi				174		
Temperature range	°C				- 20 to + 60		
	°F				- 4 to + 140		
Precision					± 4% full scale		
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 <b>chapter Z1</b>		

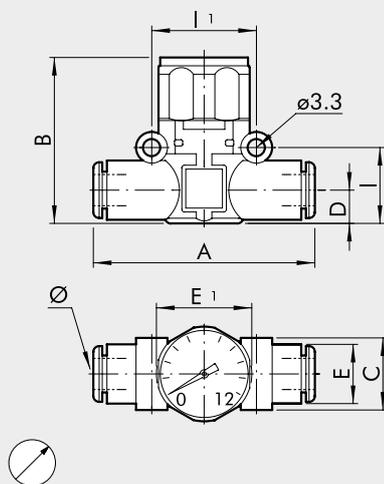
## ASSEMBLY OPTIONS



How to mount the MAN L:

- Fig. **A** **G (BSP)**: With the male threaded port it is possible to mount the MAN 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 MAL L straight on to the actuator or the control valve.
- Fig. **B** Fixing to the plate with the special SQU L bracket, except for Ø3/8 and Ø10.
- Fig. **C** There are two robust rings on the plastic body for fixing the MAN L straight onto the wall.
- Fig. **D** Use the SQL L bracket for panel mounting the MAN L.

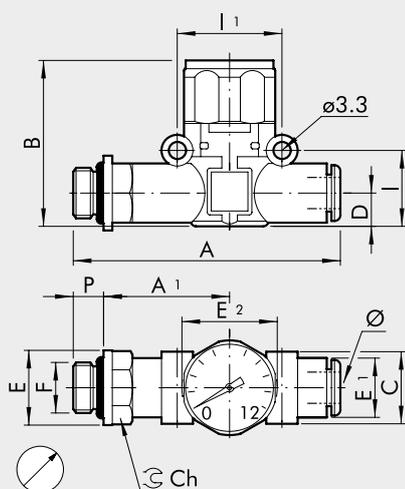
## MAN L PIPE - PIPE



Code	Ref.	Ø	A	B	C	D	E	E1	I	I1
9067001	MAN L Ø4-Ø4	4 ▲	41.8	36.1	10.7	5.6	10	23	12.8	16
9067016	MAN L Ø6-Ø6	6	49.4	35	14.7	6.4	11.4	23	14.6	20
9067016U	MAN L Ø1/4-Ø1/4	1/4	49.4	35	14.7	6.4	11.4	23	14.6	20
9067024	MAN L Ø8-Ø8	8 ▲	57.3	41	18.7	9.1	13.8	23	18.7	24
9067032U	MAN L Ø3/8-Ø3/8	3/8	65.4	45	20.7	10.9	16	23	21.4	26
9067032	MAN L Ø10-Ø10	10	65.7	45	20.7	10.9	16	23	21.4	26

▲ Ø4 = Ø5/32"; Ø8 = Ø5/16"

## MAN L G (BSP) THREAD - PIPE



Code	Ref.	F	Ø	P	A	A1	B	C	D	E	E1	E2	I	I1	Ch
9067101	MAN L M5-Ø4	M5	4 ▲	4	47.7	22.7	36.1	10.7	5.6	9.9	10	23	12.8	16	9
9067102	MAN L 1/8-Ø4	1/8	4 ▲	6	51.5	24.6	36.1	10.7	5.6	14	10	23	12.8	16	12
9067108	MAN L 1/8-Ø6	1/8	6	6	58.5	27.8	35	14.7	6.4	14	11.4	23	14.6	20	12
9067109	MAN L 1/4-Ø6	1/4	6	8	61.5	28.8	35	14.7	6.4	18	11.4	23	14.6	20	14
9067110	MAN L 1/8-Ø8	1/8	8 ▲	6	66.2	31.8	41	18.7	9.1	15	13.8	23	18.7	24	14
9067111	MAN L 1/4-Ø8	1/4	8 ▲	8	70.6	34.2	41	18.7	9.1	18	13.8	23	18.7	24	14
9067112	MAN L 3/8-Ø8	3/8	8 ▲	9	72.2	34.8	41	18.7	9.1	22	13.8	23	18.7	24	17
9067115	MAN L 1/4-Ø10	1/4	10	8	79.9	39.2	45	20.7	10.9	18	16	23	21.4	26	16
9067116	MAN L 3/8-Ø10	3/8	10	9	81.2	40.4	45	20.7	10.9	20	16	23	21.4	26	17
9067117	MAN L 1/2-Ø10	1/2	10	11	83.7	40	45	20.7	10.9	26	16	23	21.4	26	22

▲ Ø4 = Ø5/32"; Ø8 = Ø5/16"

## NOTES

# lineonline®

## LINE OF PRODUCTS ON LINE

LINE ON LINE® is an exclusive range of products for mounting on pneumatic circuits. With these small, highly efficient components it is possible

to perform all pneumatic functions at any point of the circuit.

LINE ON LINE® is ultra-modular - the components can be connected in parallel, in series or combined parallel/series.

All LINE ON LINE® products are available for pipe-pipe connection with two push-in fittings, or for thread-pipe connection with a brass nickel-plated male ISO 228 G (BSP) thread and a push-in fitting.

The body is made of technopolymer, giving a product that is extremely lightweight and compact.

One side of the body is marked with an indelible pneumatic symbol to facilitate identification and indicate the direction of flow.

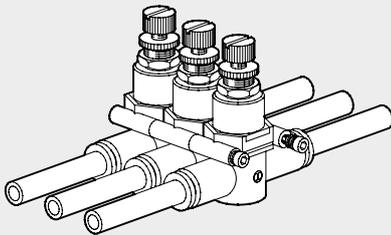
For almost every function it is available  $\varnothing 1/4$  and  $\varnothing 3/8$ " tube version.

It is also possible to use RU6 fitting to mount LINE ON LINE® on thread UNF or NPT.

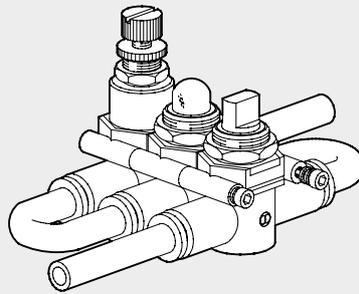


### CONNECTION FREE

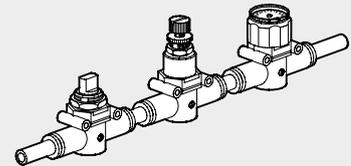
Parallel lines



Serial line parallel fitting



Serial line in-line fitting



### FIXING FREE

Wall fixing

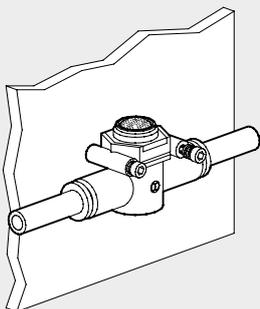
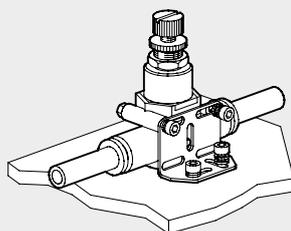
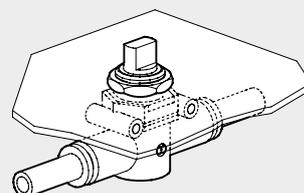


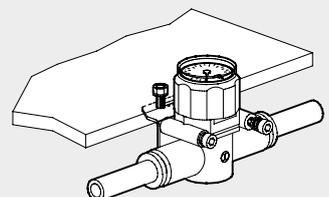
Plate fixing

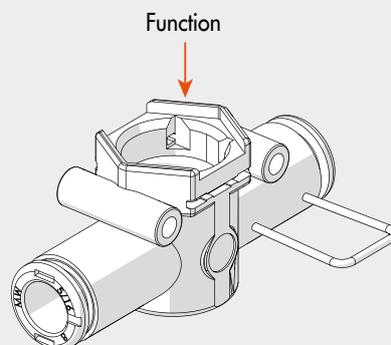


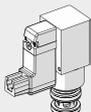
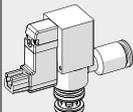
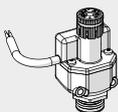
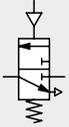
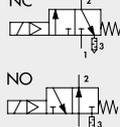
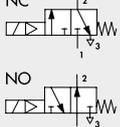
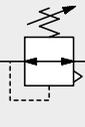
Panel fixing

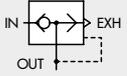
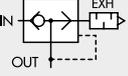
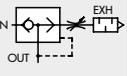
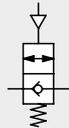


Under wall fixing



**ALL THE PNEUMATIC FUNCTIONS WITH THE SAME EXTERNAL DIMENSIONS**


PNV	SOV	RML ●▲	MAN ●▲	PRS ●▲	LAM ●	V2V ●▲	V3V ●▲	
								
3-way pneumatic valve	Solenoid valve 3-way with silenced exhaust	Solenoid valve 3-way with conveyed exhaust	Pressure regulator	Pressure gauge	Pressure switch	Pressure indicator	Shut-off valve 2-way	Shut-off valve 3-way
								
See page E1.7	See page E1.10	See page E1.14	See page E1.18	See page E1.20	See page E1.24	See page E1.26	See page E1.26	

RFL ●▲	RFF	VSR ●▲	VSRR	STP	VNR ●▲	FIL ▲			
									
Flow regulator unidirectional	Flow regulator bidirectional	Calibrated choke unidirectional	Calibrated choke bidirectional	Quick-exhaust valve conveyed	Quick-exhaust valve silenced	Quick-exhaust valve regulated	Stop valve	Check valve	Filter
									
See page E1.29	See page E1.34	See page E1.37	See page E1.39	See page E1.42	See page E1.45	See page E1.47			

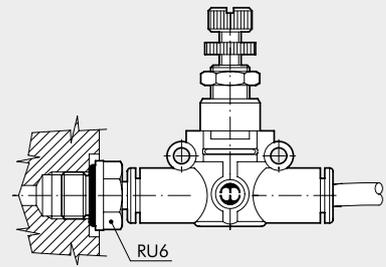
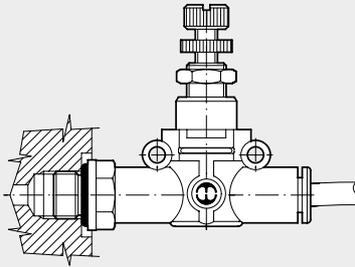
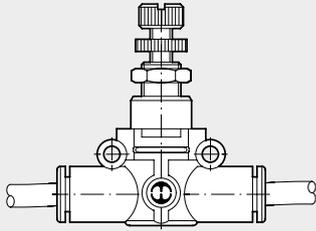
- Available also in tube Ø 1/4" version
- ▲ Available also in tube Ø 3/8" version

PIPE - PIPE

THREAD - PIPE

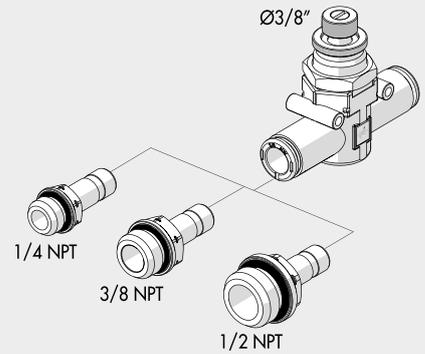
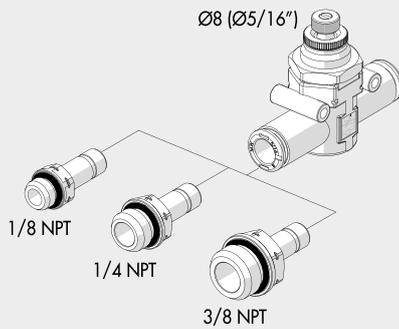
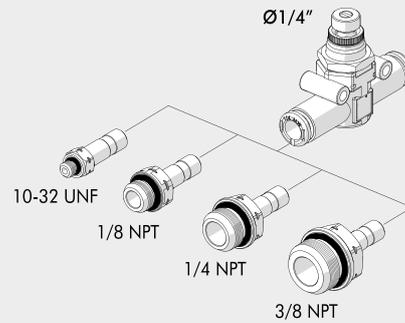
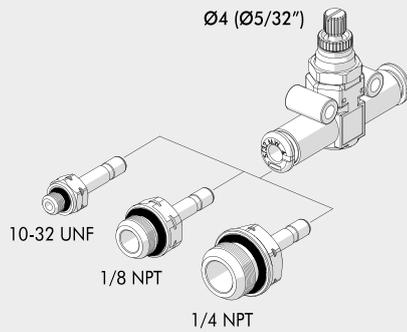
ISO 228 G (BSP) THREAD

UNF or NPT THREAD

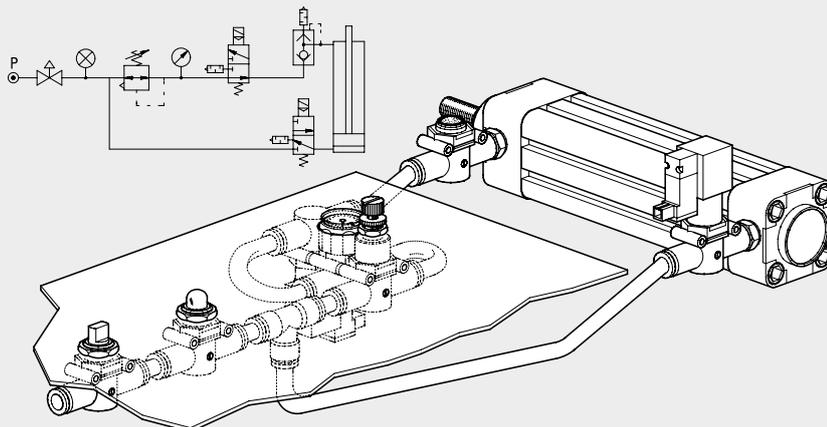


FROM TUBE - TUBE TO UNF or NPT THREAD - TUBE TRANSFORMATION

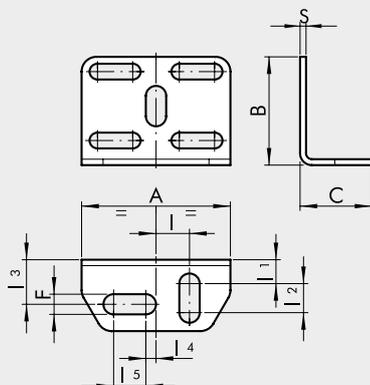
Using the RU6 fitting, it is possible to mount every Line on Line products on to the actuator or the control valve.



APPLICATION EXAMPLE



## FIXING SQUARE KIT



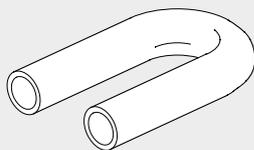
Code	Description	A	B	C	F	I	I1	I2	I3	I4	I5	S
9062110	SQU L	30	22	14.5	4.2	6.8	4.8	5.9	9.1	2	6.5	1.2

NOTE: comes with two M3x16 screws (for L.O.L.  $\varnothing 4$ ▲), two M3x25 screws (for L.O.L.  $\varnothing 6$ - $\varnothing 1/4$ - $\varnothing 8$ ▲), two M3 hexagonal nuts, 2 groovers, 4 washers.

NOT COMPATIBLE WITH  $\varnothing 3/8$  AND  $\varnothing 10$

▲  $\varnothing 4 = \varnothing 5/32"$ ;  $\varnothing 8 = \varnothing 5/16"$

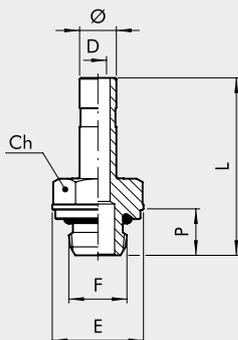
## U-BOLT



Code	Description
9062216	TUB L $\varnothing 6$ - $\varnothing 6$
9062216U	TUB L $\varnothing 1/4$ - $\varnothing 1/4$
9062224	TUB L $\varnothing 8$ - $\varnothing 8$ ▲

▲  $\varnothing 8 = \varnothing 5/16"$

## RU6 - STEM ADAPTORS UNF or NPT



Code	Ref.	$\varnothing$	F	Ch			L	D	E
				Inc	mm	P			
2U06001	RU6	5/32	10-32 UNF	5/16	8	4	25.2	2	9
2U06002	RU6	5/32	1/8 NPT	0.472	12	6	27.7	2.5	13
2U06003	RU6	5/32	1/4 NPT	0.551	14	8	30.2	2.5	16.4
2U06000	RU6	1/4	10-32 UNF	5/16	8	4	25.7	2	9
2U06007	RU6	1/4	1/8 NPT	0.472	12	6	28.2	4	13
2U06008	RU6	1/4	1/4 NPT	0.551	14	8	30.5	4	16.4
2U06020	RU6	1/4	3/8 NPT	0.669	17	9	33.3	4	20
2U06009	RU6	5/16	1/8 NPT	0.472	12	6	29.2	5.5	13
2U06010	RU6	5/16	1/4 NPT	0.551	14	8	31.5	6	16.4
2U06011	RU6	5/16	3/8 NPT	0.669	17	9	34.3	6	20
2U06012	RU6	3/8	1/4 NPT	0.551	14	8	34.8	7.3	16.4
2U06013	RU6	3/8	3/8 NPT	0.669	17	9	37.6	7.3	20
2U06022	RU6	3/8	1/2 NPT	0.748	19	11	41.2	7.3	24.5