

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*



SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

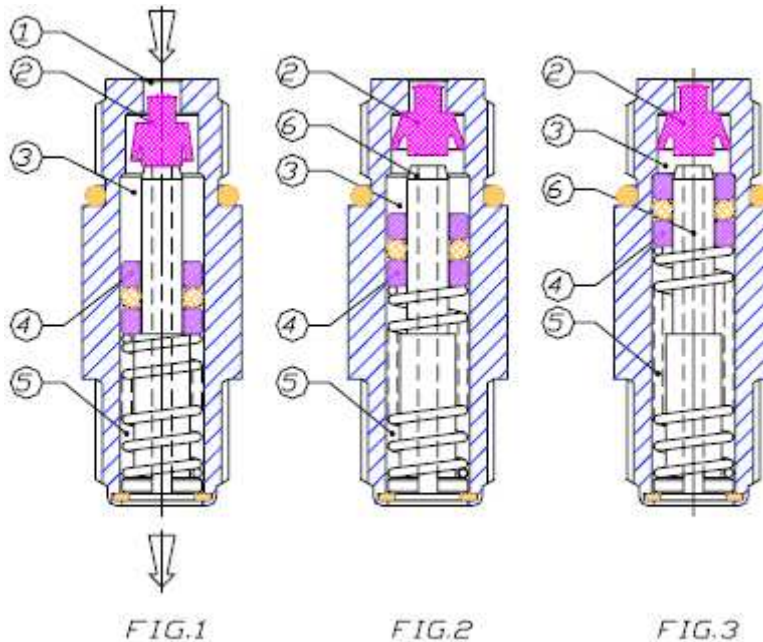
SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

The ILCOMATIC-3 metering valves are supplied for centralised lubrication systems with oil or soft grease. They can be installed on one-side or two-side manifolds or directly on the lubrication points. For a correct operation, the line pressure must not be lower than 15 bar, even when the delivery thrust is very slow.

Les doseurs type ILCOMATIC-3 sont utilisés dans les installations de lubrification centralisées système volumétrique à huile ou graisse molle. Ils peuvent être montés sur des barrettes unilatérales ou bilatérales ou directement sur les points de graissage. La pression de service de la tuyauterie primaire ne doit pas être inférieure à 15 bar, même avec une action très lente.

FLOW DIAGRAM

PRINCIPE DE FONCTIONNEMENT



By actuating the pump, the pressure, which through the narrowing of the valve lip (2) enables the lubricant to enter into the vane (3) gets to the hole (1) and consequently moves the piston (4), which delivers the flow previously stored in the vane (5).

During the release action, the piston (4), which is pushed by the spring, comes back to its initial position. With this motion it takes the sealing valve away (2). The hole (6) opens so that lubricant can move from vane (3) to vane (5).

The piston (4) has completed its stroke. The lubricant has completely moved from vane (3) to vane (5). The sealing valve (2) has closed the hole (6) and the dosing valve is ready for the subsequent cycle.

FIG. 1

La montée en pression par l'orifice (1) provoque le déplacement du clapet (2) et permet l'entrée du lubrifiant dans la chambre (3). simultanément, le déplacement du piston (4) refoule vers le point le lubrifiant dépose dans la chambre de dosage (5) lors du précédent cycle..

FIG. 2

Dans la phase décompression, le ressort repousse le piston (4). sous cette action, le clapet (2) reprend sa place initiale en dégageant ainsi l'orifice (6). Le déplacement du clapet (2) permet le transfert du lubrifiant de la chambre (3) vers la chambre de dosage (5).

FIG. 3

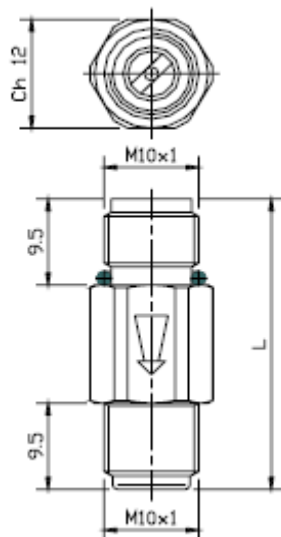
Le piston (4) a terminé sa course. Le lubrifiant est complètement transféré de la chambre (3) à (5). Le clapet (2) a obturé l'orifice (1). Le doseur est prêt pour un nouveau cycle de lubrification.

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

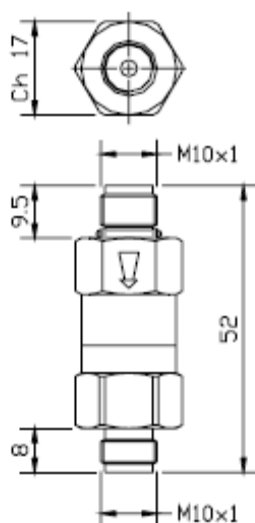
SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

METERING VALVES M10X1 (M) – M10X1 (M)

The seals are in NBR. It is also possible to supply the valves with viton seals on request. In this case, add "V" to the code



CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIT	L
02.709.0	15	15 MM ³	32 MM
02.709.1	30	30 MM ³	32 MM
02.709.2	60	60 MM ³	32 MM
02.709.3	100	100 MM ³	32 MM
02.709.4	160	160 MM ³	32 MM
02.709.5	200	200 MM ³	37.6 MM
02.709.6	300	300 MM ³	37.6 MM



CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIET
02.601.6	6	500 MM ³
02.601.7	7	750 MM ³
02.601.8	8	1000 MM ³

DOSEURS VOLUMETRIQUES M10x1 (M) – M10x1 (M)

Joints standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" a la fin du code article.

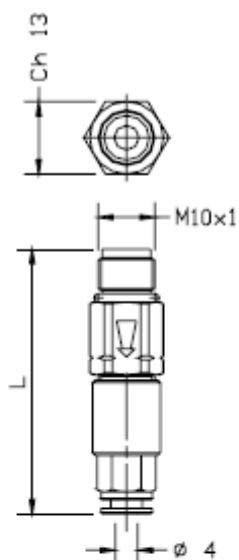
SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

METERING VALVES M10x1 (M) – PUSH-IN

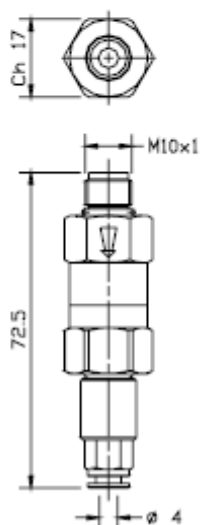
The seals are in NBR. It is also possible to supply the valves with viton seals on request. In this case, add "V" to the code

DOSEURS VOLUMETRIQUES M10x1 (M) – RACCORD INSTANTANE

Joints standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" a la fin du code article.



CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIT	L
02.710.0	15	15 MM³	51 MM
02.710.1	30	30 MM³	51 MM
02.710.2	60	60 MM³	51 MM
02.710.3	100	100 MM³	51 MM
02.710.4	160	160 MM³	51 MM
02.710.5	200	200 MM³	56.5 MM
02.710.6	300	300 MM³	56.5 MM

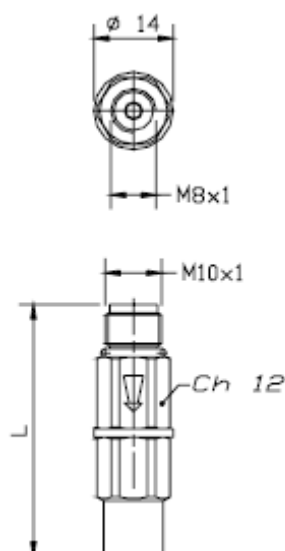


CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIET
02.710.7	6	500 MM³
02.710.8	7	750 MM³
02.710.9	8	1000 MM³

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

METERING VALVES M10X1 (M) – M8X1 (F)

The seals are in NBR. It is also possible to supply the valves with viton seals on request. In this case, add "V" to the code



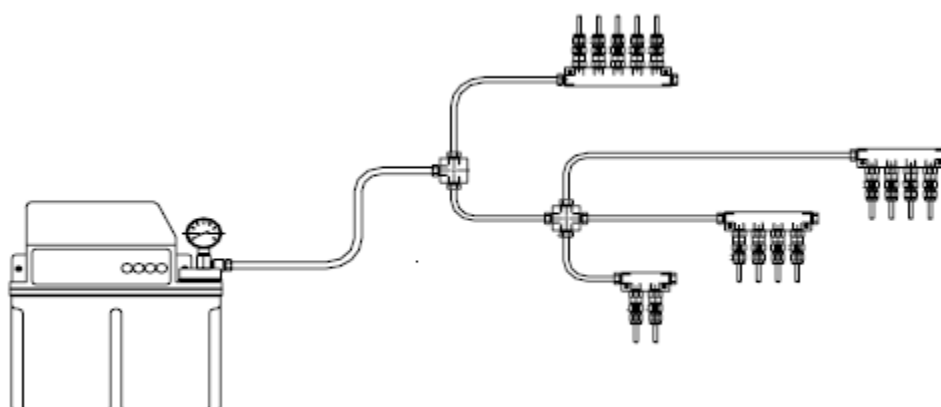
DOSEURS VOLUMÉTRIQUES M10x1 (M) – M8X1 (F)

Joint standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.

CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIT	L
02.713.0	15	15 MM ³	45.5 MM
02.713.1	30	30 MM ³	45.5 MM
02.713.2	60	60 MM ³	45.5 MM
02.713.3	100	100 MM ³	45.5 MM
02.713.4	160	160 MM ³	45.5 MM
02.713.5	200	200 MM ³	51.1 MM
02.713.6	300	300 MM ³	51.1 MM

LAYOUT FOR ILCOMATIC-3 METERING VALVES FOR MANIFOLDS

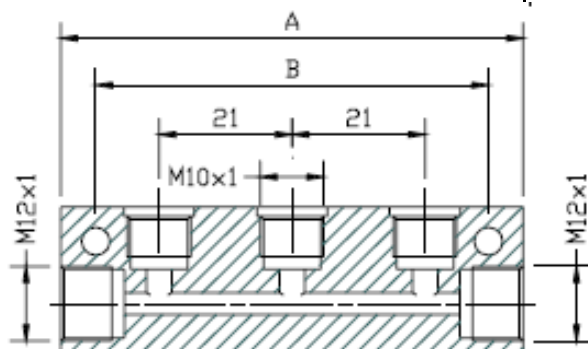
SCHEMA D'IMPLANTATION AVEC DOSEURS VOLUMÉTRIQUES ILCOMATIC-3



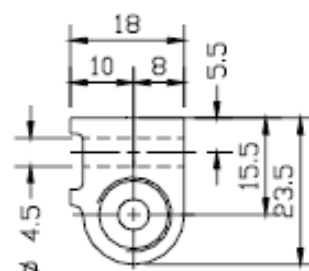
SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

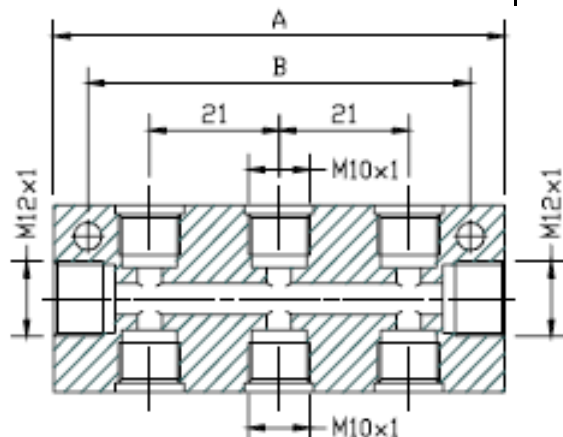
**SINGLE-JUNCTION MANIFOLDS
M12X1 – M10X1**



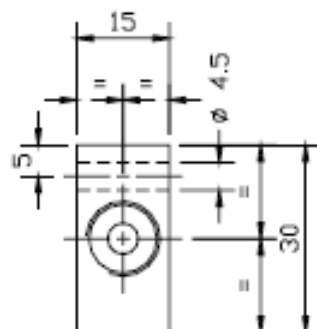
**DISTRIBUTEURS UNILATERALES
M12X1 – M10X1**



**DOUBLE-JUNCTION MANIFOLDS
M12X1 – M10X1**



**DISTRIBUTEURS BILATERALES
M12X1 – M10X1**



SINGLE-JUNCTION MANIFOLDS DISTRIBUTEURS UNILATERALES			
CODE CODE	OUTLETS SORTIES	A	B
01.520.0	1	31	20
01.521.0	2	52	41
01.522.0	3	73	62
01.523.0	4	94	83
01.524.0	5	115	104
01.525.0	6	136	125
01.526.0	7	157	146
01.527.0	8	178	167
01.528.0	9	199	188
01.529.0	10	220	209

SCREWS
M4X25

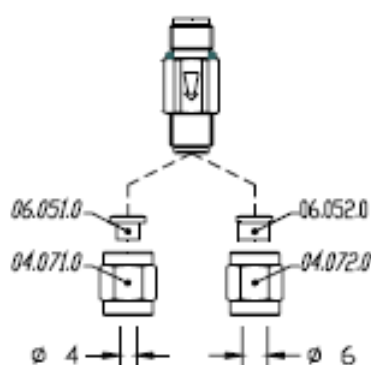
VIS DE
FIXATION
M4X25

DOUBLE-JUNCTION MANIFOLDS DISTRIBUTEURS BILATERALES			
CODE CODE	OUTLETS SORTIES	A	B
01.540.0	2	31	20
01.541.0	4	52	41
01.542.0	6	73	62
01.543.0	8	94	83
01.544.0	10	115	104
01.545.0	12	136	125
01.546.0	14	157	146

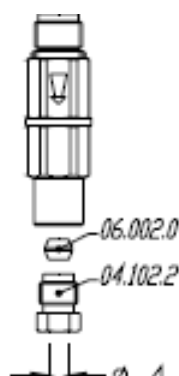
SINGLE LINE SYSTEM FOR VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

OUTLET FITTINGS FOR METERING VALVES

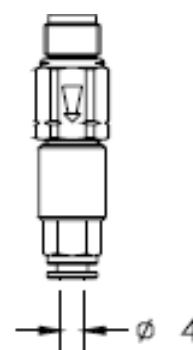
M10X1 (M) – M10X1 (M)



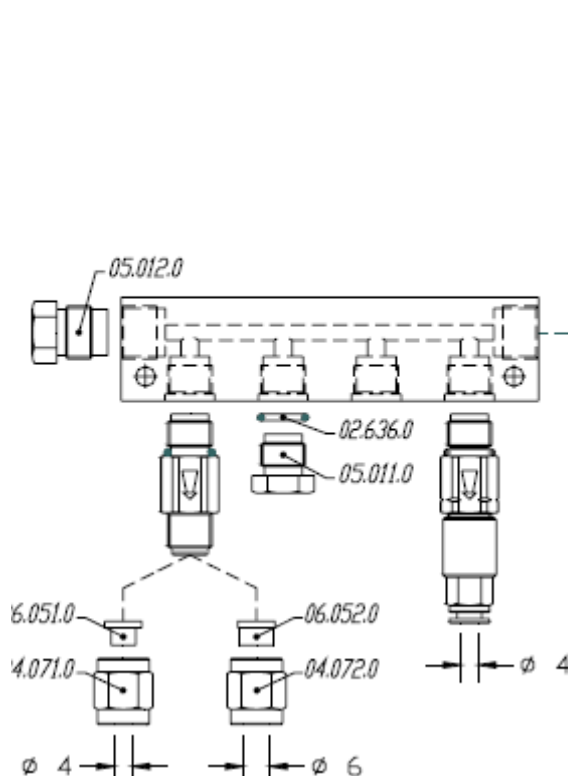
M10X1(M) – M8X1 (F)



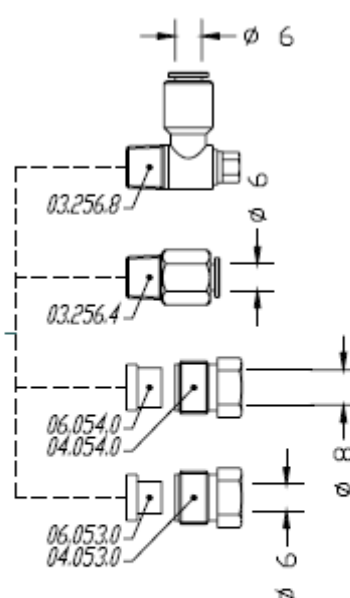
PUSH-IN



MANIFOLD FITTINGS M12X1 – M10X1

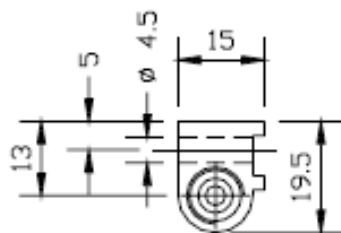


RACCORDS POUR MONTAGE SUR DISTRIBUTEURS M12X1 – M10X1

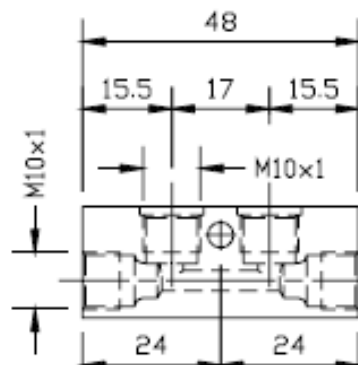


SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

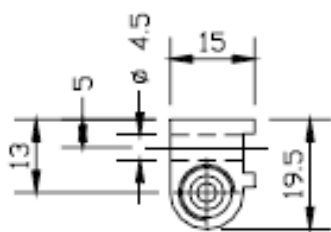
SINGLE-JUNCTION MANIFOLDS
M10X1-M10X1
2 WAYS
CODE 01.961.0



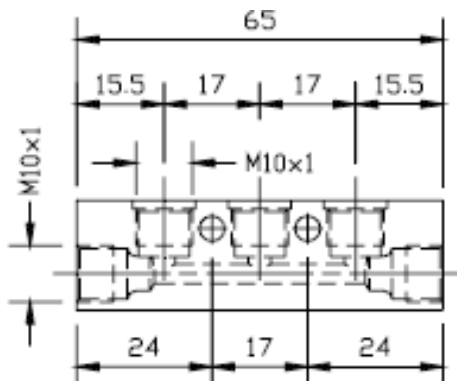
DISTRIBUTEUR UNILATERALE
M10X1-M10X1
2 SORTIES
CODE 01.961.0



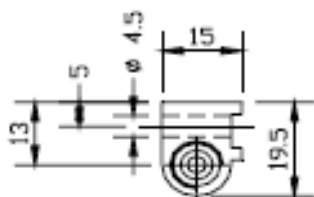
SINGLE-JUNCTION MANIFOLDS
M10X1-M10X1
3 WAYS
CODE 01.961.1



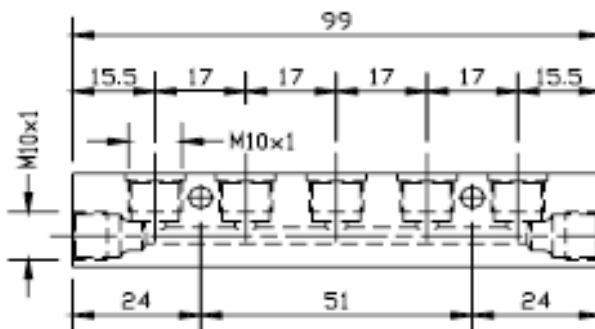
DISTRIBUTEUR UNILATERALE
M10X1-M10X1
3 SORTIES
CODE 01.961.1



SINGLE-JUNCTION MANIFOLDS
M10X1-M10X1
5 WAYS
CODE 01.961.2



DISTRIBUTEUR UNILATERALE
M10X1-M10X1
5 SORTIES
CODE 01.961.2





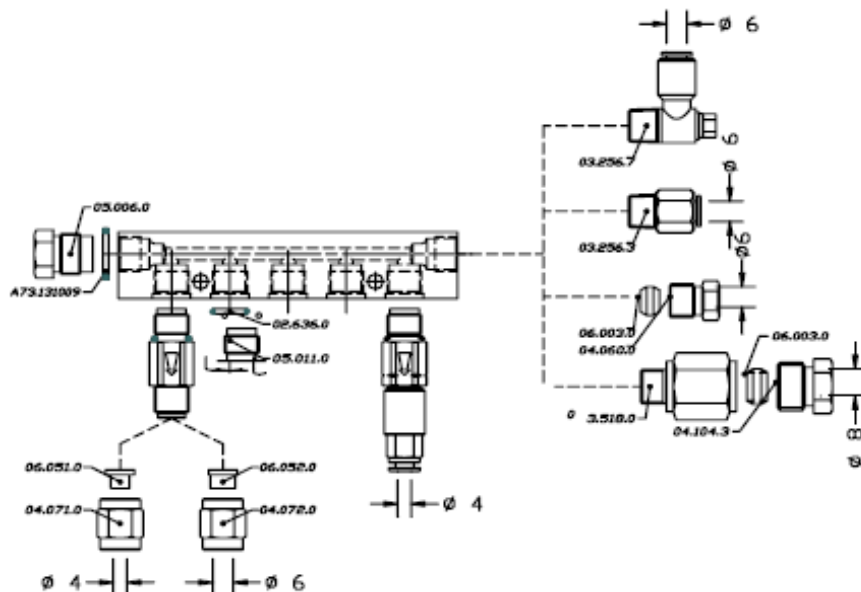
SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

MANIFOLD FITTINGS M10X1-M10X1

The seals are in NBR. It is possible to supply the valves with viton seals on request. In this case, add "V" to the code.

RACCORDS POUR DISTRIBUTEURS M10X1-M10X1

Joint standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.

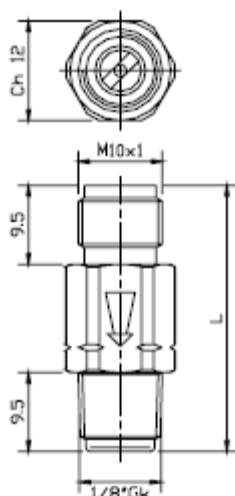


STRAIGHT METERING VALVES M10X1 (M) – 1/8"

The seals are in NBR. It is possible to supply the valves with viton seals on request. In this case, add "V" to the code.

DOSEURS AUX POINTS DROITS M10X1 (M) – 1/8" (M)

Joint standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.



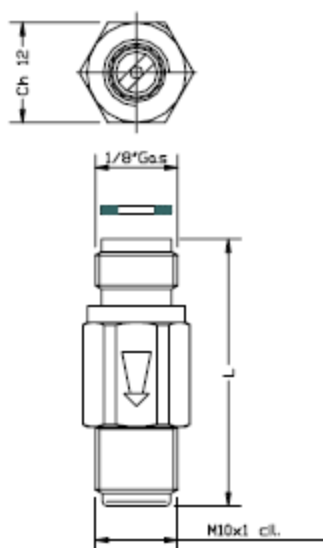
CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIT	L
02.711.0	15	15 MM ³	32 MM
02.711.1	30	30 MM ³	32 MM
02.711.2	60	60 MM ³	32 MM
02.711.3	100	100 MM ³	32 MM
02.711.4	160	160 MM ³	32 MM
02.711.5	200	200 MM ³	37.6 MM
02.711.6	300	300 MM ³	37.6 MM

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

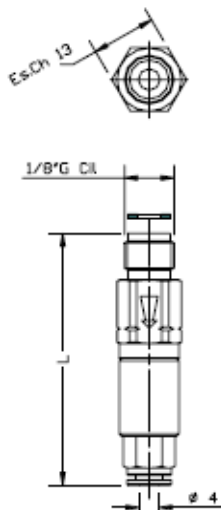
METERING VALVES 1/8" (M) – M10X1 (M)

The seals are in NBR. It is possible to supply the valves with viton seals on request. In this case, add "V" to the code.



METERING VALVES 1/8" (M) – PUSH-IN

The seals are in NBR. It is possible to supply the valves with viton seals on request. In this case, add "V" to the code.



DOSEURS 1/8" (M) – M10X1 (M)

Joints standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.

CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIT	L
02.739.0	15	15 MM ³	32 MM
02.739.1	30	30 MM ³	32 MM
02.739.2	60	60 MM ³	32 MM
02.739.3	100	100 MM ³	32 MM
02.739.4	160	160 MM ³	32 MM
02.739.5	200	200 MM ³	37.6 MM
02.739.6	300	300 MM ³	37.6 MM

DOSEURS 1/8" (M) – RACCORD INSTANTANE

Joints standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.

CODE CODE	MARKING MARQUAGE	METERED Q.TY DEBIT	L
02.742.0	15	15 MM ³	51 MM
02.742.1	30	30 MM ³	51 MM
02.742.2	60	60 MM ³	51 MM
02.742.3	100	100 MM ³	51 MM
02.742.4	160	160 MM ³	51 MM
02.742.5	200	200 MM ³	56.6 MM
02.742.6	300	300 MM ³	56.6 MM



SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

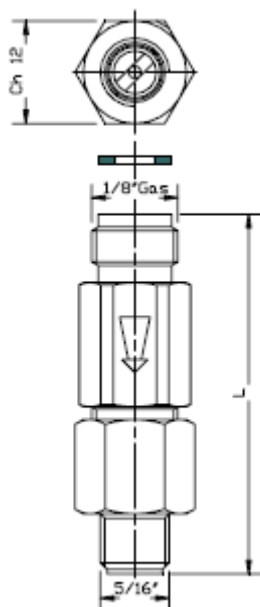
SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

METERING VALVES 1/8" (M) – 5/16" (M)

The seals are in NBR. It is possible to supply the valves with viton seals on request. In this case, add "V" to the code.

DOSEURS 1/8" (M) – 5/16" (M)

Joints standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.



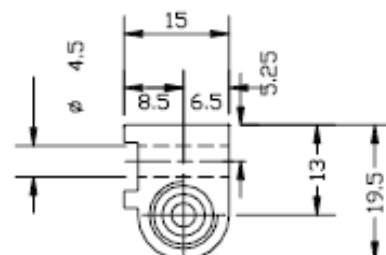
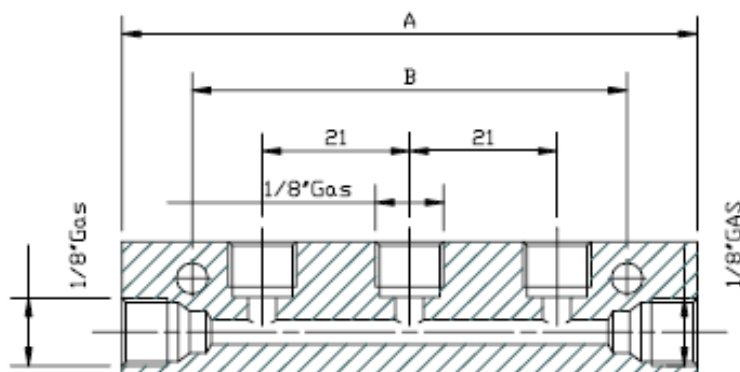
CODE CODE	MARKING MARQUAGE	METERING Q.TY DEBIT	L
02.737.0	15	15 MM³	42 MM
02.737.1	30	30 MM³	42 MM
02.737.2	60	60 MM³	42 MM
02.737.3	100	100 MM³	42 MM
02.737.4	160	160 MM³	42 MM
02.737.5	200	200 MM³	47.6 MM
02.737.6	300	300 MM³	47.6 MM

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

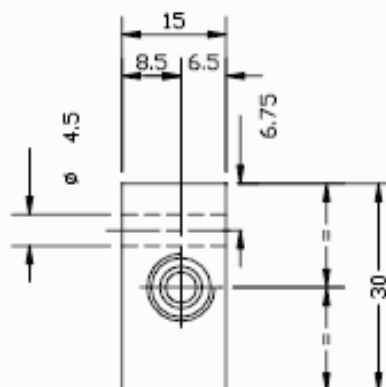
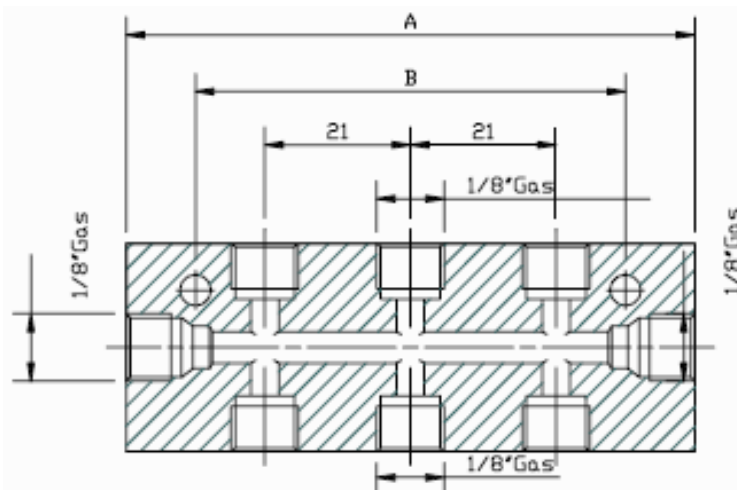
SINGLE-JUNCTION MANIFOLD 1/8" – 1/8"

DISTRIBUTEURS UNILATERALES 1/8" – 1/8"



DOUBLE-JUNCTION MANIFOLDS 1/8" – 1/8"

DISTRIBUTEURS BILATERALES 1/8" – 1/8"



SINGLE-JUNCTION MANIFOLDS DISTRIBUTEURS UNILATERALES			
CODE CODE	OUTLETS SORTIES	A	B
01.420.0	1	40	20
01.420.1	2	61	41
01.420.2	3	82	62
01.420.3	4	103	83
01.420.4	5	124	104
01.420.5	6	145	125
01.420.6	7	166	146
01.420.7	8	187	167
01.420.8	9	208	188
01.420.9	10	229	209

SCREWS
M4X25

VIS DE
FIXATION
M4X25

CODE 15.031.0

DOUBLE-JUNCTION MANIFOLDS DISTRIBUTEURS BILATERALES			
CODE CODE	OUTLETS SORTIES	A	B
01.421.0	2	40	20
01.421.1	4	61	41
01.421.2	6	82	62
01.421.3	8	103	83
01.421.4	10	124	104
01.421.5	12	145	125
01.421.6	14	166	146

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

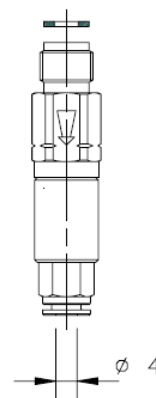
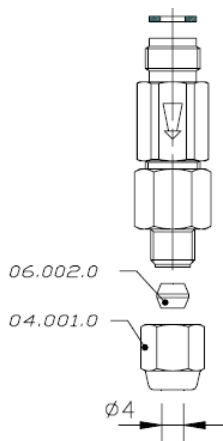
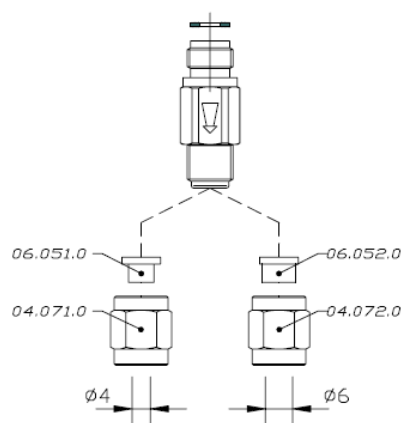
OUTLET FITTINGS FOR METERING VALVES

RACCORDS POUR SORTIE DE DOSEURS

1/8" (M) – M10X1 (M)

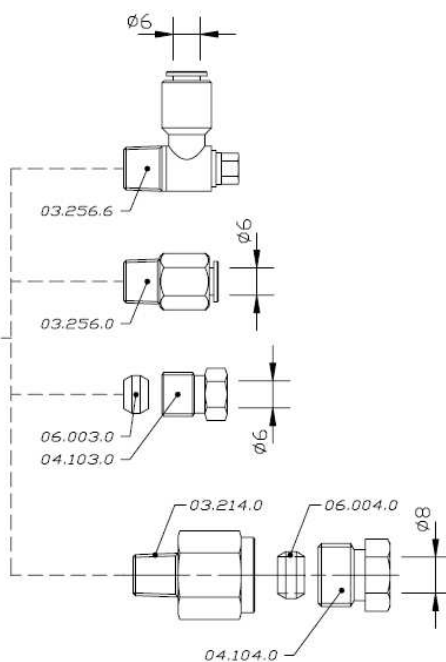
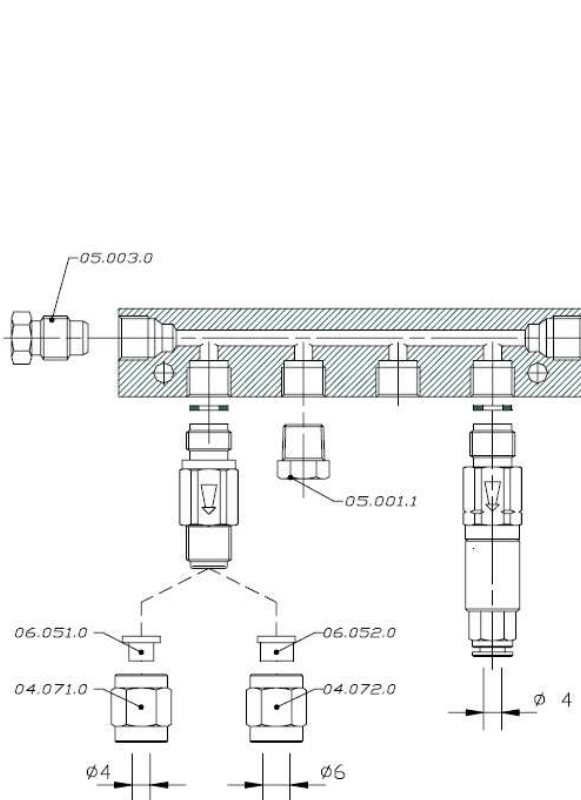
1/8" (M) – 5/16" (F)

1/8" PUSH-IN
1/8" INSTANTANE



OUTLET FITTINGS FOR MANIFOLDS 1/8" – 1/8"

RACCORDS POUR MONTAGE SUR DISTRIBUTEURS 1/8" – 1/8"





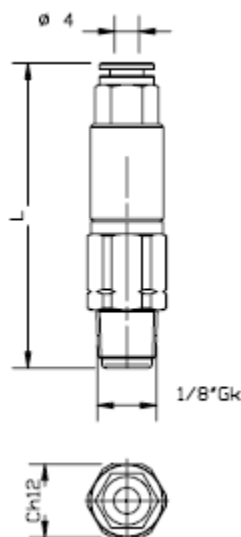
SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES *SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES*

STRAIGHT METERING VALVES PUSH-IN – 1/8" (M)

The seals are in NBR. It is possible to supply the valves with viton seals on request. In this case, add "V" to the code

DOSEURS AUX POINTS DROITS INSTANTANES – 1/8" (M)

Joints standards NBR. Sur demande disponibles avec joints en viton. Dans ce cas, ajouter un "V" à la fin du code article.



CODE CODE	MARKING MARQUAGE	METERING Q.TY DEBIT	L
02.712.0	15	15 MM ³	46.5 MM
02.712.1	30	30 MM ³	46.5 MM
02.712.2	60	60 MM ³	46.5 MM
02.712.3	100	100 MM ³	46.5 MM
02.712.4	160	160 MM ³	46.5 MM
02.712.5	200	200 MM ³	52.1 MM
02.712.6	300	300 MM ³	52.2 MM

SINGLE LINE SYSTEM WITH VOLUMETRIC METERING VALVES

SYSTÈME À LIGNE UNIQUE À DOSEURS VOLUMÉTRIQUES

MANIFOLD FITTINGS

RACCORDS POUR MONTAGE SUR DISTRIBUTEURS

