

STAINLESS STEEL

ancillary valves



Find out our
key products



Solution for most applications



Easy and intuitive choice



Excellent value for money



Wide availability



Fast delivery



Stainless Steel ancillary valves

Main features and certifications

Stainless Steel ancillary valves.
Different series of ancillary valves with different functions, sizes and configurations.
Supplied as standard in compliance to Reach and RoHS directives.



Stainless steel miniature ball valves from hexagonal bar

from page 5.161.10



Series of stainless steel miniature ball valves, manual operated, from hexagonal bar. In line mounting, to close or open the flow in both directions. Available in sizes 1/4", 3/8" and 1/2", in configuration female-female or male-female. With blue lever.



Stainless Steel ball valve "full bore"

from page 5.162.10



Series of stainless steel full bore ball valves, manual operated with long lever. In line mounting, to close or open the flow in both directions. Available in sizes from 1/4" to 2" in configuration female-female. With blue lever.



Stainless Steel unidirectional valves

from page 5.163.10



Series of stainless steel unidirectional valves, from hexagonal bar, female threads with piston. In line mounting, allow the compressed air to flow in one direction only; therefore they are suitable for those applications where no return of compressed air to the feeding is allowed. Available from size 1/8" to 2" in configuration female-female.

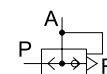


Stainless Steel quick exhaust valves

from page 5.165.10



Series of stainless steel quick exhaust valves, to increase the speed of a cylinder. Available in sizes from 1/8" to 1". Equipped with FKM/PU seals as standard.



Stainless Steel ancillary valves

Stainless steel miniature ball valves from hexagonal bar

Main features

Version	Code	Item	Symbol
Thread 1/4" female-female	030651	2MVSXFF	
Thread 3/8" female-female	030652	3MVSXFF	
Thread 1/2" female-female	030653	4MVSXFF	
Thread 1/4" male-female	030654	2MVSXMF	
Thread 3/8" male-female	030655	3MVSXMF	
Thread 1/2" male-female	030656	4MVSXMF	



Technical data

Version	Stainless steel miniature ball valves from hexagonal bar series MVSX					
Code	030651	030652	030653	030654	030655	030656
Item	2MVSXFF	3MVSXFF	4MVSXFF	2MVSXMF	3MVSXMF	4MVSXMF
Size	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"
Fluid	Filtered compressed air with or without lubrication.					
Pressure range	0 ÷ 25 bar					
Temperature range	-20°C ÷ +150°C					
Orifice	7 mm		9,2 mm	7 mm		9,2 mm
Female thread	UNI - ISO 228/1 (BSP)					
Male thread	-			UNI EN 10226-1 (BSPT)		
Lever color	Blue					
Mounting	In-line					

Standard materials

Description	Material
Body	Stainless Steel AISI 316
Lever	Nylon 66 reinforced glass
Ball	Stainless Steel AISI 316
Seals	PTFE - FKM

Stainless Steel ancillary valves

Stainless steel miniature ball valves from hexagonal bar

Code key

Size	Series	Configuration
3	MVSX	FF
2 = 1/4"	MVSX	FF = Female-Female
3 = 3/8"		MF = Male-Female
4 = 1/2"		

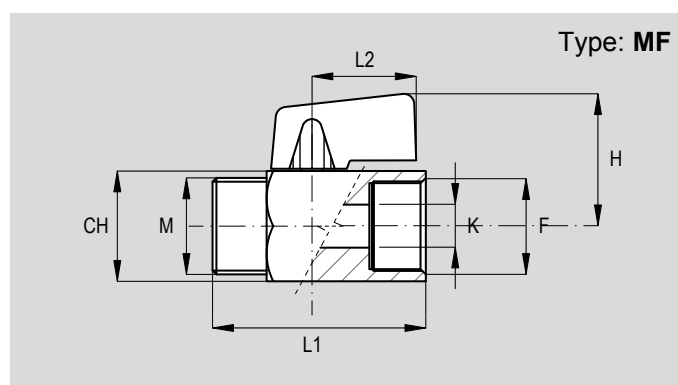
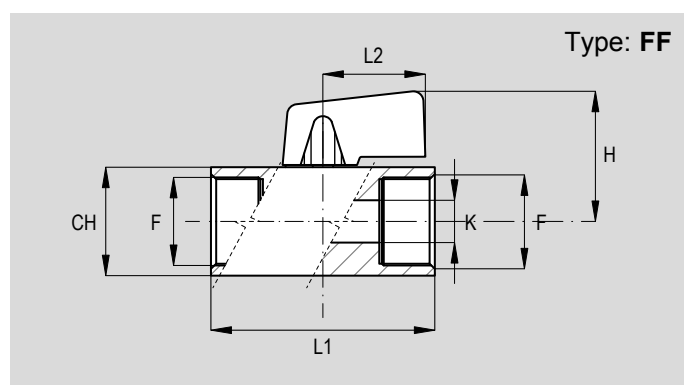
How to order

Size	Series	Configuraz.
3	MVSX	FF

Notes

For standard materials see the table at page 5.161.10
Options in the same grid are alternative to each others.

Standard dimensions



Code	Item	M	F	K	L1	L2	H	CH	Weight (g)
030651	2MVSXFF	-	G1/4"	7	42	23	26	22	200
030652	3MVSXFF	-	G3/8"	7	42	23	26	22	190
030653	4MVSXFF	-	G1/2"	9,2	46	23	28	25	175
030654	2MVSXMF	R1/4"	G1/4"	7	40	23	26,5	22	170
030655	3MVSXMF	R3/8"	G3/8"	7	40	23	26,5	22	165
030656	4MVSXMF	R1/2"	G1/2"	9,2	45,6	23	28,3	25	160

Stainless Steel ancillary valves

Stainless Steel ball valves "full bore"

Main features

Version	Code	Item	Symbol
1/4"	030681	VSLX014FF	
3/8"	030682	VSLX038FF	
1/2"	030683	VSLX012FF	
3/4"	030684	VSLX034FF	
1"	030685	VSLX100FF	
1 1/4"	030686	VSLX114FF	
1 1/2"	030687	VSLX112FF	
2"	030688	VSLX200FF	



Technical data

Version	Stainless Steel ball valve “full bore” series VSLX							
Code	030681	030682	030683	030684	030685	030686	030687	030688
Item	VSLX014FF	VSLX038FF	VSLX012FF	VSLX034FF	VSLX100FF	VSLX114FF	VSLX112FF	VSLX200FF
Size	1/4”	3/8”	1/2”	3/4”	1”	1 1/4”	1 1/2”	2”
Female thread	UNI - ISO 228/1 (BSP)							
Fluid	Compressed air, inert gases, non-aggressive fluids							
Pressure range	100 bar			64 bar		40 bar		
Temperature range	-20°C ÷ +150°C							
Orifice	10 mm		15 mm	20 mm	25 mm	32 mm	40 mm	50 mm
Flow rate	3.000 l/min.		11.500 l/min.	21.000 l/min.	33.000 l/min.	50.000 l/min.	84.000 l/min.	97.000 l/min.
Mounting	In-line							

Standard materials

Description	Material
Body	Stainless Steel AISI 316
Lever	Stainless Steel AISI 316
Ball	Stainless Steel AISI 316
Seals	PTFE - FKM

Stainless Steel ancillary valves

Stainless Steel ball valve "full bore"

Code key

Series	Size	Configuration
VSLX	012	FF

VSLX

014 = 1/4"

038 = 3/8"

012 = 1/2"

034 = 3/4"

100 = 1"

114 = 1 1/4"

112 = 1 1/2"

200 = 2"

FF = Female-Female

How to order

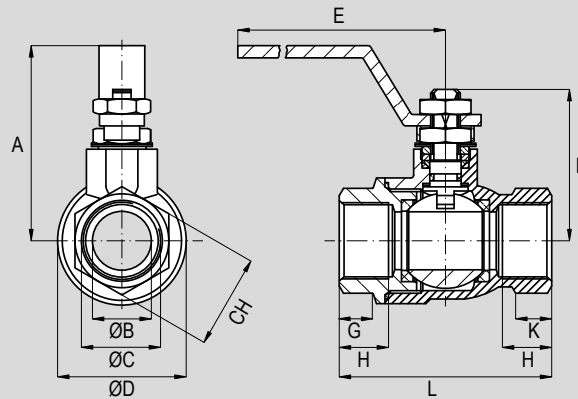
Series	Size	Configuration
VSLX	012	FF

Notes

For standard materials see the table at page 5.162.10
Options in the same grid are alternative to each others.

Standard dimensions

Type: **VSLX**

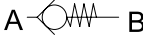


Code	Item	Ø C (size)	A	Ø B	Ø D	E	F	G	H	K	L	CH	Weight (g)
030681	VSLX014FF	G1/4"	52	8	29	110	37	8,5	11,4	8	50	21,5	220
030682	VSLX038FF	G3/8"	52	10	29	110	37	8,5	11,4	8	50	21,5	205
030683	VSLX012FF	G1/2"	55	15	34	110	42	10	15	9,5	60	26,5	275
030684	VSLX034FF	G3/4"	66	20	42,5	140	52	11,5	16,3	11,5	70	31,5	465
030685	VSLX100FF	G1"	70	25	50,5	140	56	14	19,1	13,5	85	40,5	710
030686	VSLX114FF	G1-1/4"	85	32	63	180	68	15,5	21,4	16	95	49,5	1180
030687	VSLX112FF	G1-1/2"	91	40	75,5	180	74	18,5	21,4	16	105	54,5	1740
030688	VSLX200FF	G2"	105	50	91	230	87	22,5	25,7	23,5	125	69,5	2930

Stainless Steel ancillary valves

Stainless Steel unidirectional valves

Main features

Version	Code	Item	Symbol
1/8"	030110	1FFX	
1/4"	030111	2FFX	
3/8"	030112	3FFX	
1/2"	030113	4FFX	
3/4"	030114	5FFX	
1"	030115	6FFX	
1 1/4"	030129	14FFX	
1 1/2"	030130	12FFX	
2"	030131	20FFX	



Technical data

Version	Stainless Steel unidirectional valves FFX								
Code	030110	030111	030112	030113	030114	030115	030129	030130	030131
Item	1FFX	2FFX	3FFX	4FFX	5FFX	6FFX	14FFX	12FFX	20FFX
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Female thread	UNI - ISO 228/1 (BSP)								
Fluid	Filtered compressed air with or without lubrication.								
Pressure range	0,5 ÷ 350 bar				0,5 ÷ 300 bar	0,5 ÷ 250 bar			0,5 ÷ 200 bar
Temperature range	-20°C ÷ +150°C								
Orifice	18 mm²	22 mm²	42 mm²	75 mm²	126 mm²	230 mm²	340 mm²	509 mm²	1.640 mm²
Mounting	In-line								

Standard materials

Description	Material
Body	Stainless Steel AISI 316
Spring	Stainless Steel AISI 316
Seals	FKM

Stainless Steel ancillary valves

Stainless Steel unidirectional valves

Code key

Size	Series
2	FFX
1 = 1/8"	FFX
2 = 1/4"	
3 = 3/8"	
4 = 1/2"	
5 = 3/4"	
6 = 1"	
14 = 1 1/4"	
12 = 1 1/2"	
20 = 2"	

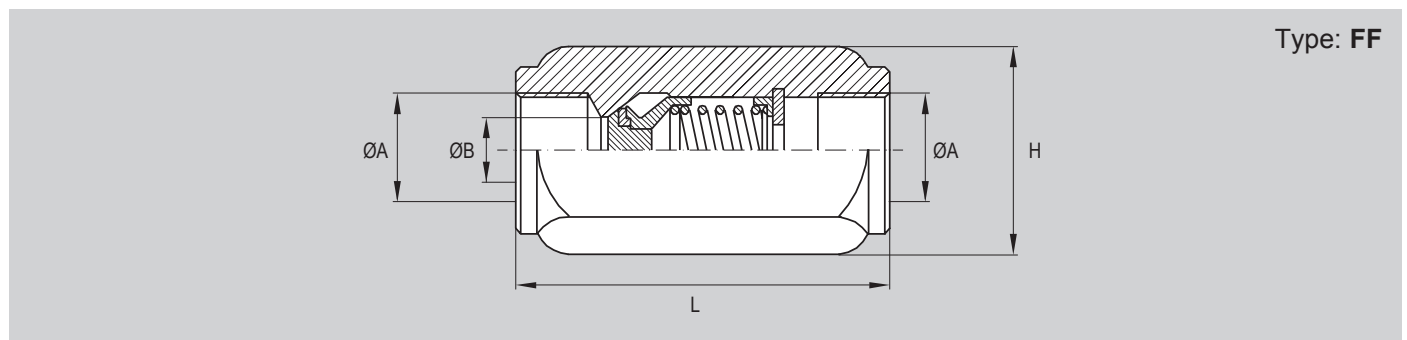
How to order

Size	Series
2	FFX

Notes

Options in the same grid are alternative to each others.
For standard materials see the table at page 5.163.10

Standard dimensions



Code	Item	ØA (size)	ØB	L	H	Weight (g)
030110	1FFX	G1/8"	5	42	14	50
030111	2FFX	G1/4"	7	50	19	90
030112	3FFX	G3/8"	10	60	24	160
030113	4FFX	G1/2"	11	65	27	280
030114	5FFX	G3/4"	17	75	34	350
030115	6FFX	G1"	21	93	41	580
030129	14FFX	G1"-1/4	29	110	50	860
030130	12FFX	G1"-1/2	34	112	55	1020
030131	20FFX	G2"	48	120	75	2200

Stainless Steel ancillary valves

Stainless Steel quick exhaust valves

Main features

Version	Code	Item	Symbol
1/8"	030810	1VSRX	
1/4"	030809	2VSRX	
3/8"	030811	3VSRX	
1/2"	030812	4VSRX	
3/4"	030813	5VSRX	
1"	030814	6VSRX	



Technical data

Version	Stainless Steel quick exhaust valves series VSRX					
Code	030810	030809	030811	030812	030813	030814
Item	1VSRX	2VSRX	3VSRX	4VSRX	5VSRX	6VSRX
Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Fluid	Filtered compressed air with or without lubrication.					
Pressure range	2 ÷ 10 bar					
Temperature range	-10°C ÷ +120°C		-20°C ÷ +80°C (standard)		-10°C ÷ +150°C (V)	
Orifice	6 mm	8 mm	10 mm	12 mm	16 mm	18 mm
Flow from P to A (at 6 bar, with ΔP 1 bar)	1.580 NI/min.	1.650 NI/min.	2.350 NI/min.	4.580 NI/min.	7.100 NI/min.	7.200 NI/min.
Flow from A to R (at 6 bar, with ΔP 1 bar)	1.880 NI/min.	1.900 NI/min.	2.880 NI/min.	6.400 NI/min.	10.400 NI/min.	10.500 NI/min.
Mounting	Preferably directly on the cylinder port					

Standard materials

Description	Material					
	1VSRX	2VSRX	3VSRX	4VSRX	5VSRX	6VSRX
Body	Stainless Steel AISI 316L					
Seals	FKM		Polyurethane (PU)			

Stainless Steel ancillary valves

Stainless Steel quick exhaust valves

Code key

Size	Series	Seals option*	Thread option
3	VSRX	V	NPT

1 = 1/8"

2 = 1/4"

3 = 3/8"

4 = 1/2"

5 = 3/4"

6 = 1"

VSRX

V = FKM (-10°C ÷ +150°C)

NPT = NPT threads
(according to ANSI B 1.20.1)

How to order

Size	Series	Seals	Filettatura
3	VSRX	V	NPT

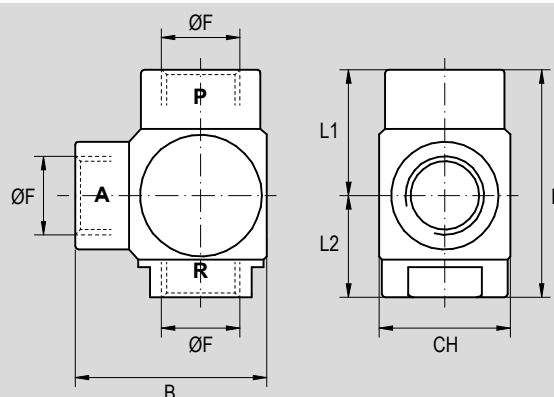
Notes

For standard materials see the table at page 5.165.10

Options in the same grid are alternative to each others.

*Available for sizes from 3/8" to 1" only (size 1/8" and 1/4" are equipped with FKM seals as standard)

Standard dimensions



Type: **VSRX**

Code	Item	ØF (size)	L	L1	L2	B	CH
030810	1VSRX	G1/8"	37,5	21	16,5	32	22
030809	2VSRX	G1/4"	37,5	21	16,5	32	22
030811	3VSRX	G3/8"	44,5	25,5	19	37	26
030812	4VSRX	G1/2"	54	23	31	45	32
030813	5VSRX	G3/4"	79	35	44	65	46
030814	6VSRX	G1"	79	35	44	65	46

Important note

The valve must be directly mounted on the port of the cylinder to achieve the maximum possible speed.

When the supply is in **P** the diaphragm closes the exhaust **R** and so the air flows through **A** into the chamber of the cylinder. When the supply **P** fails the diaphragm get back in its original position (closing **P**) due to the exhaust air from **A** to **R**. The noise of the exhaust **R** can be reduced by a silencer (for silencers see from page 4.150.1, for stainless silencers see page 5.390.1).