

# FLOW CONTROL VALVES IN 316L STAINLESS STEEL

## SERIES XRFU AND XRFO



- Series XRFU:  
Unidirectional flow control valves for cylinder speed regulation
- Series XRFO:  
Bidirectional flow control valves for air flow regulation and all compatible fluids with components materials

The unidirectional and bidirectional flow controllers are equipped with G1/8, G1/4, G3/8 and G1/2 ports. All models can be used in environments with aggressive fluids or gases.

### General Data

<b>Construction</b>	Needle-type
<b>Valve group</b>	Unidirectional and bidirectional controller
<b>Materials</b>	Body in 316L stainless steel, FKM seals
<b>Mounting</b>	With screws in the holes of the valve body or panel mounted
<b>Threads</b>	G1/8, G1/4, G3/8, G1/2 1/8 NPT, 1/4 NPT, 3/8 NPT, 1/2 NPT
<b>Installation</b>	In any position
<b>Working temperature</b>	-15°C +120°C
<b>Working pressure</b>	- 0,5 ÷ 16 bar (unidirectional regulator) 0 ÷ 40 bar (bidirectional regulator)
<b>Nominal pressure</b>	6 bar
<b>Nominal diameter</b>	G1/8 = 6 - G1/4 = 6 - G3/8 = 9 - G1/2 = 10 - PT1/8 = 6 - PT1/4 = 6 - PT3/8 = 9 - PT1/2 = 10
<b>Medium</b>	Filtered air without lubrication with unidirectional and bidirectional flow control valves all fluids compatible with the materials of the bidirectional flow control valves

### Coding Example

X	RF	U	1/8	PT
<b>X</b>	= INOX			
<b>RF</b>	SERIES			
<b>U</b>	FUNCTION U = Unidirectional O = Bidirectional			
<b>1/8</b>	PORTS 1/8 1/4 3/8 1/2			
<b>PT</b>	PORTS = Gas PT = NPT			

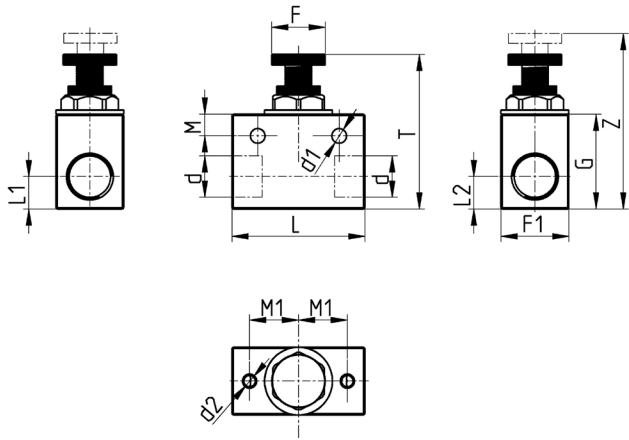
FLOW CONTROL VALVES IN 316L STAINLESS STEEL  
SERIES XRFU AND XRFO - DIMENSIONS

Unidirectional flow control valves Series XRFU

Manual regulation



RF01



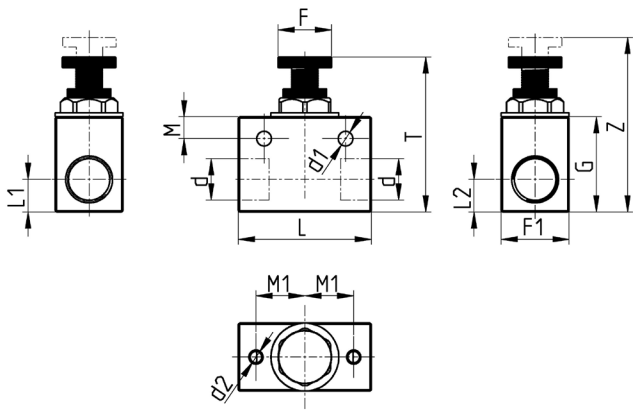
Mod.	d	d1	d2	F	F1	G	L	L1	L2	M	M1	T	Z
XRFU 1/8	G1/8	5,4	M5	20	20	30	40	6,5	13,5	8	15	47	52
XRFU 1/4	G1/4	5,4	M5	20	20	30	40	8	12	8	15	49	54
XRFU 3/8	G3/8	5,4	M5	20	25	35	49	10,5	15,5	8	18	57	66
XRFU 1/2	G1/2	5,4	M5	20	25	35	49	12,5	13	8	18	57	66
XRFU 1/8PT	1/8NPT	5,4	M5	20	20	30	40	6,5	13,5	8	15	49	54
XRFU 1/4PT	1/4NPT	5,4	M5	20	20	30	40	8	12	8	15	49	54
XRFU 3/8PT	3/8NPT	5,4	M5	20	25	35	49	10,5	15,5	8	18	57	66
XRFU 1/2PT	1/2NPT	5,4	M5	20	25	35	49	12,5	13	8	18	57	66

Bidirectional flow control valves Series XRFO

Manual regulation



RF01



Mod.	d	d1	d2	F	F1	G	L	L1	L2	M	M1	T	Z
XRFO 1/8	G1/8	5,4	M5	20	20	30	40	6,5	13,5	8	15	47	52
XRFO 1/4	G1/4	5,4	M5	20	20	30	40	8	12	8	15	49	54
XRFO 3/8	G3/8	5,4	M5	20	25	35	49	10,5	15,5	8	18	57	66
XRFO 1/2	G1/2	5,4	M5	20	25	35	49	12,6	13	8	18	57	66
XRFO 1/8PT	1/8NPT	5,4	M5	20	20	30	40	6,5	13,5	8	15	49	54
XRFO 1/4PT	1/4NPT	5,4	M5	20	20	30	40	8	12	8	15	49	54
XRFO 3/8PT	3/8NPT	5,4	M5	20	25	35	49	10,5	15,5	8	18	57	66
XRFO 1/2PT	1/2NPT	5,4	M5	20	25	35	49	12,6	13	8	18	57	66