

## Soft start valves Series MC

Ports G1/4, G3/8 and G1/2 Modular



(	is after the FRL unit; in fact the modular design allows for perfect adaptability with all Series MC.

the upper part of the unit after removal of

GENERAL DATA						
Construction	modular, compact, poppet type					
Materials	zama, N	BR, technopo				
Ports		G1/4	G3/8	G1/2		
Weight	Kg	0,275	0,566	0,544		
Mounting	in-line wall or panel mounting (in any position)					
Operating temperature	-5°C ÷ 50°C (with the dew point of the fluid lower than 2°C at the min. working temperature)					
Finishing	enamelled					
Operating pressure	2 ÷ 10 b	ar				
Nominal flow (determined at 6 bar with $\Delta P1$ )	G1/4 = 1850 NI/min, G3/8 = 4000 NI/min, G1/2 = 4350 NI/min					

3

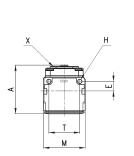
CODING EXAMPLE						
MC	2	02	-	AV		
MC	SERIES					
2	SIZE: 1 = G1/4 2 = G3/8 - G1/2					
02	PORTS: 04 = G1/4 38 = G3/8 02 = G1/2					
AV	AV = SOFT START VALVE					

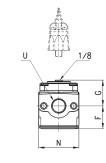
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X = adjustment screw



AVP1





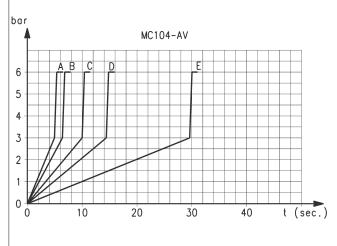
DIMENSIONS									
Mod.	А	E	F	G	Н	М	Ν	Т	U
MC104-AV	59,5	11	28,5	31	4,5	45	45	35	G1/4
MC238-AV	72,5	14	34	38,5	5,5	62	60	46	G3/8
MC202-AV	72,5	14	34	38,5	5,5	62	60	46	G1/2

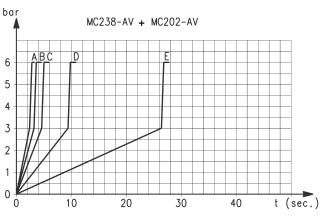


3

TREATMENT

## DIAGRAMS FOR PRESSURISATION TIMES





Pressurisation times as to the n° of turns of the regulation screw, with downstream volume of 5 litres. A = 5 turns - B = 4 turns - C = 3 turns - D = 2 turns - E = 1 turn. "K" = n° of turns of the regulation screw required to obtain the required pressurisation time with an inlet pressure of 6 bar. Variations of the inlet pressure can cause deviations of the pressure time by  $\pm$  20%. K = t/V where: V = volume of the downstream system in litres; t = desired pressuring time in seconds.

Pressurisation times as to the n° of turns of the regulation screw, with downstream volume of 5 litres. A = 9 turns - B = 7 turns - C = 5 turns - D = 3 turns - E = 1 turn. "K" = n° of turns of the regulation screw required to obtain the required pressurisation time with an inlet pressure of 6 bar. Variations of the inlet pressure can cause deviations of the pressure time by  $\pm$  20%. K = t/V where: V = volume of the downstream system in litres; t = desired pressuring time in seconds.

