



AIR TORQUE



LEHENGOTAK, S.p.A.

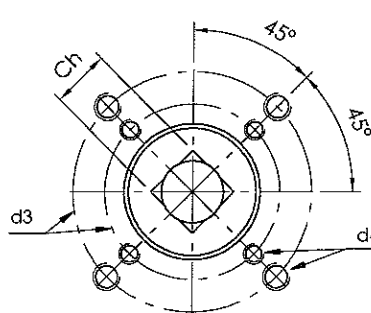
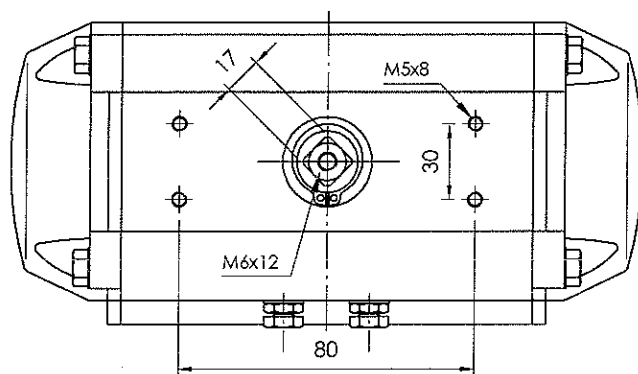
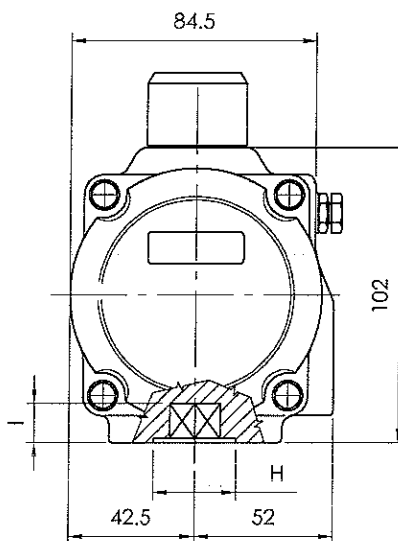
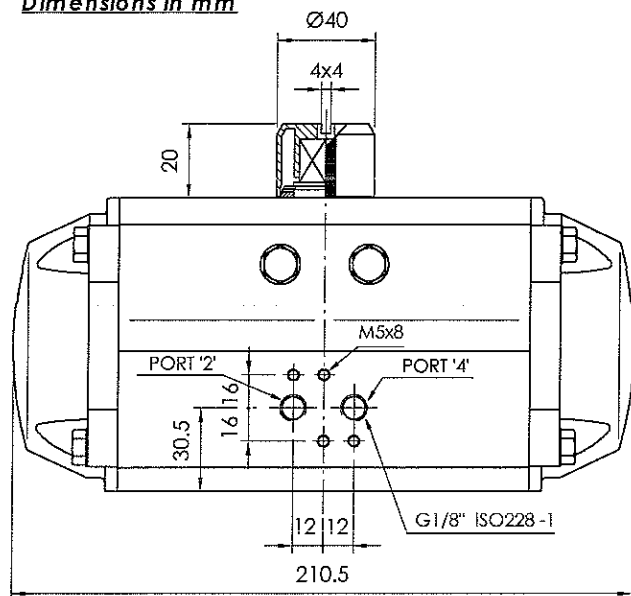
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Technical Data Sheet n° AT201DM
Issued on: 06/04

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Model AT201
DA and SR - 90°

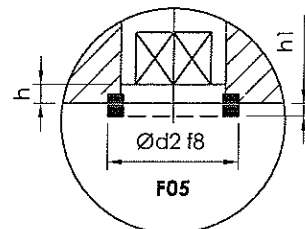
Dimensions in mm



Available flange:

⇒ F05 + F07

Flange Dimensions			
ISO 5211	F05	F07	
d2 f8	35	NA	
d3	50	70	
d4	M6x9	M8x12	
H	35	35	
Ch	17	17	
l min.	16	19	
h min.	1,5	1,5	
h1	2	NA	
Pressure connection			B 1
Ancillary Attachment			AA 1



Spigot available only on request

TYPE	OUTPUT TORQUE FOR DOUBLE ACTING IN Nm												WEIGHT (Kg)										
Pressure	2,5 bar		3 bar		3,5 bar		4 bar		4,2 bar		4,5 bar			5 bar		5,5 bar		6 bar		7 bar		8 bar	
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	2,82
D	29,1		34,9		40,7		46,5		48,9		52,4		58,2		64		69,8		81,4		93,1		

TYPE	OUTPUT TORQUE FOR SPRING RETURN IN Nm												Spring stroke		WEIGHT (Kg)										
Pressure	2,5 bar		3 bar		3,5 bar		4 bar		4,2 bar		4,5 bar		5 bar			5,5 bar		6 bar		7 bar		8 bar		90°	0°
	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°		0°	90°	0°	90°	0°	90°	0°	90°	End	Start
S 05	18	11,8	23,8	17,6	29,7	23,4	35,5	29,2	37,8	31,6	41,3	35,0	47,1	40,9									17,3	11,1	2,99
S 06	15,8	8,3	21,6	14,1	27,5	19,9	33,3	25,8	35,6	28,1	39,1	31,6	44,9	37,4	50,7	43,2							20,8	13,3	3,02
S 07			19,4	10,7	25,2	16,5	31,1	22,3	33,4	24,6	36,9	28,1	42,7	33,9	48,5	39,8	54,3	45,6					24,2	15,5	3,06
S 08					23	13	28,8	18,8	31,2	21,2	34,7	24,7	40,5	30,5	46,3	36,3	52,1	42,1	63,7	53,7			27,7	17,7	3,09
S 09							26,6	15,4	29	17,7	32,5	21,2	38,3	27	44,1	32,8	49,9	38,6	61,5	50,3	73,2	61,9	31,2	19,9	3,12
S 10											30,2	17,7	36,1	23,6	41,9	29,4	47,7	35,2	59,3	46,8	71	58,5	34,6	22,1	3,16
S 11													33,8	20,1	39,7	25,9	45,5	31,7	57,1	43,4	68,7	55	38,1	24,3	3,19
S 12															37,5	22,4	43,3	28,3	54,9	39,9	66,5	51,5	41,5	26,5	3,22

Max. Pressure	Rotation	Screw stroke Adjustment	Chamber ø (mm)	Air Volume (L)		Moving Time (Sec.) (A)		Operating Temperature (°C) (B)		
				Opening	Closing	Opening	Closing	STD (standard)	HT (high temperature)	LT (low temperature)
8 bar	90° ±4° at 0° and 90°	For 1° adj. need 1/6 Turn	75	0,31	0,49	D 0,30 S 0,40	D 0,35 S 0,50	NBR "O" ring - 20 to + 80	FPM "O" ring - 15 to + 150	Silicone "O" ring - 40 to + 80

Notes:

(A) The above indicated moving time of the actuator, are obtained in the following test conditions:

(1) Room Temperature, (2) Actuator Stroke 90°, (3) Solenoid Valve with Orifice Of 4 mm and a flow capacity Qn 400 L/min., (4) Inside pipe diameter 8 mm, (5) Medium clean air, (6) Air supply pressure 5,5 bar (79,75 Psi), (7) Actuator without external resistance load. **Cautions: obviously on the field applications when one or more of the above parameter are different, the moving time will be different.**

(B) For HT (high temperature) and LT (low temperature) services, a special Lubricant is requested. Please contact Air Torque factory.

Operating Medium:

The operating medium must be free of dust and oil. The maximum particle size must not exceed 30µm (ISO 8573 Part1, Class5). In order to prevent water condensation and/or solidification (ice, when actuator work below 0°C), the operating medium must have a dew point equal to -20°C or, at least 10°C below the ambient temperature (ISO 8573 Part1, Class3).