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Version number	Revision history
V1.1	Modify the temperature range and illustration
V1.2	Torque list modification
V1.3	Add compress air conection information

ELTORQUE Stainless Steel Pneumatic Double Acting Actuator

Datasheet

DOUBLE ACTING SERIES: P40,P50,P65,P85,P100,P125,P140,P160,P210,P240,P270,P300

TORQUE RATING	SEE TORQUE OUTPUT TABLE
VALVE APPLICATIONS	BUTTERFLY AND BALL VALVE. (MAX VALVE SIZE DEPENDS ON VALVE SPECIFICATION)

PHYSICAL PROPERTIES

DESIGN	DUAL PISTON RACK AND PINION DESIGN FOR COMPACT CONSTRUCTION
HOUSE MATERIAL AND FINISH	ASTM 316 STAINLESS STEEL OR ASTM316 STAINLESS STEEL WITH STOVING VARNISH
PINION MATERIAL	STAINLESS STEEL
PISTON MATERIAL	STAINLESS STEEL OR CAST ALUMINIUM ALLOY AND CHROMATED
WEIGHT	SEE BELOW SHEET TABLE
AIR CONNECTION	G1/4"
MOUNTING FLANGE	ACCORDING TO ISO5211 STANDARD
SURFACE TREATMENT	NONE (STAINLESS STEEL BODY AND FASTENERS FOR LONG TIME CORROSION RESISTANCE).
IP GRADE,APPLICATION	IP 68, DRY AREA AND SUBMERGED AREA(SEA WATER,FRESH WATER ETC)
COLOUR	NONE

OPERATING CONDITIONS

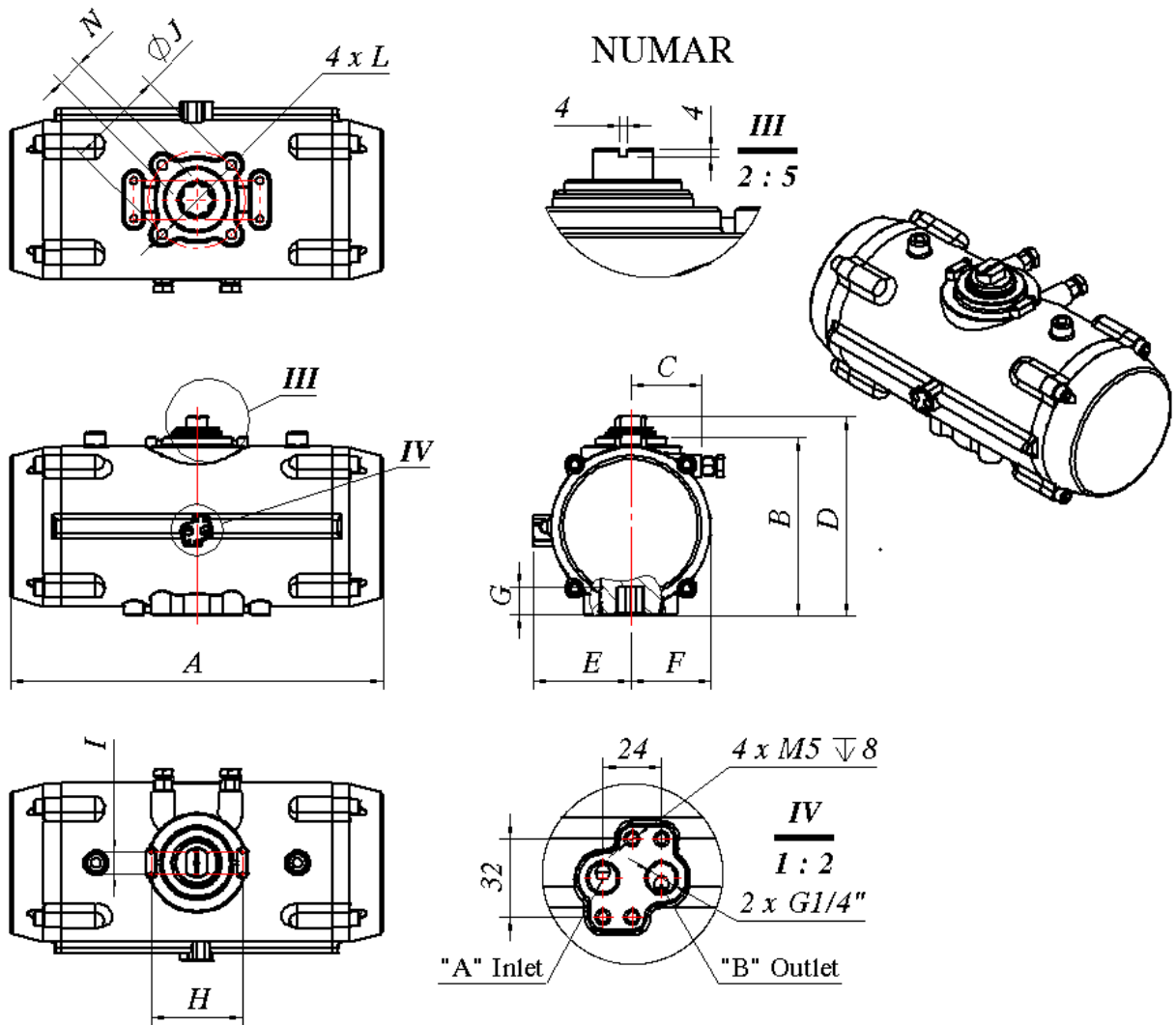
AIR SUPPLY PRESSURE	3-8 BAR
OPERATING TEMPERATURE	STANDARD:-20°C--+80°C
TRAVEL ADJUSTMENT	HAVE ADJUSTMENT RANGE OF ±4°FOR THE ROTATION AT 90°
LUBRICATION	UNDER NORMAL OPERATION CONDITION, NEED NOT ACCRETE LUBRICANT
HIGHEST PRESSURE	8 BAR

MOUNTING AND OPERATING STANDARD

Air supply connection is designed in accordance with NAMUR standard to install solenoid valves, port "A" is the air inlet , port "B" is the air outlet. Bottom mounting connection is designed in accordance with ISO5211 standard for direct mounting with valve gear boxes or mounting bracket .

NOTE : ABOVE IS FOR REFERENCE , IF THERE IS ANY CHANGE WILL INFORM.





DIMENSION unit:mm

SERIES	A	B	C	D	E	F	G	H	I	N	J	K	L	M	Air Connection	Weight kg
P40	133	64	28	84	46	25	14	80	30	11	φ50	φ36	M6*10	M5*7.5	G1/4"	1.8
P50	146	72	30	92	47	32	14	80	30	11	φ50	φ36	M6*10	M5*7.5	G1/4"	2.5
P65	173	88	36	108	54	38	18	80	30	14	φ70	φ50	M8*13	M6*10	G1/4"	3.6
P85	204	108	48	128	65.5	48	21	80	30	17	φ70	φ50	M8*13	M6*10	G1/4"	6.5
P100	270	133	50	153	77	60	26	80	30	22	φ102	φ70	M10*16	M8*13	G1/4"	10
P125	302	155	58	175	87	69.5	27.5	80	30	22	φ102	φ70	M10*16	M10*16	G1/4"	13.5
P140	394	172	69	192	95.5	77	32	80	30	27	φ125	φ102	M12*20	M12*20	G1/4"	15.5
P160	456	198	75	218	106	87	34	80	30	27	φ125	φ102	M12*20	M12*20	G1/4"	31.3
P210	568	257	90	287	133	113	40	130	30	36	φ140		M16*24	M16*24	G1/4"	71.5
P240	608	292	115	318	160	133	50	130	30	46	φ165		M20*20		G1/4"	99.8
P270	714	345	126	376	179	150	50	130	30	46	φ165		M20*25		G1/4"	160
P300	753	375	125	354	130	123	50	155	30	36	φ165		M16*24	M16*24	G1/4"	189

OUTPUT TORQUE TABLE SHEET

Model	Input air pressure					
	3Bar	4Bar	5Bar	6Bar	7Bar	8Bar
	Output torque (N. m)					
P40.000.2	8.2	11	14	16	19	22
P50.000.2	11	14	18	22	25	29
P65.000.2	20	26	32	39	46	52
P85.000.2	39	51	64	77	90	103
P100.000.2	88	117	147	176	205	235
P125.000.2	156	208	260	312	364	416
P140.000.2	235	313	391	469	547	626
P160.000.2	357	477	596	715	834	953
P210.000.2	718	958	1197	1436	1676	1915
P240.000.2	1154	1539	1923	2308	2693	3078
P270.000.2	1755	2340	2924	3510	4095	4680
P300.000.2	2062	2750	3437	4125	4812	5499