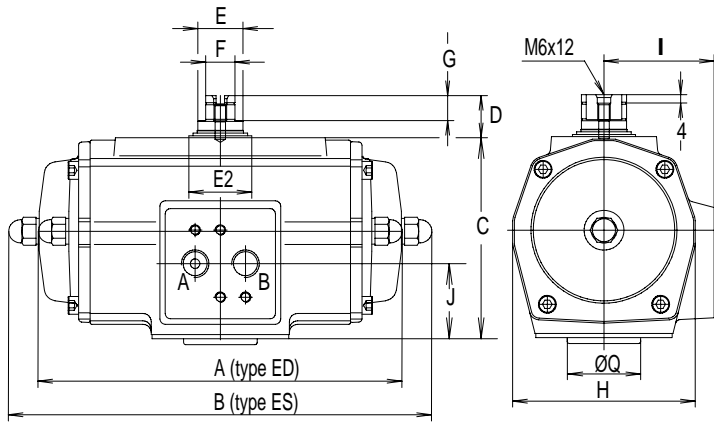


DATASHEET

type ES 600 / ED 600 (DIN version)

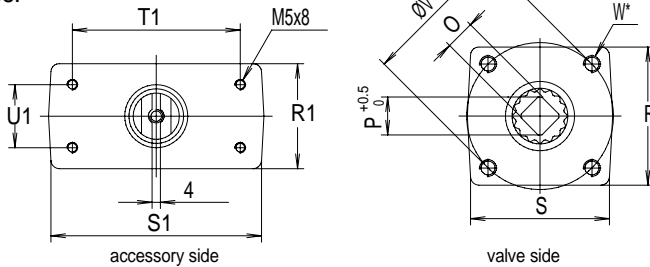


working principle
pneumatic piston type rack and pinion actuator;
quarter turn (0° to 90°)

general

construction : suitable for indoor and outdoor installation
 bore : 175 mm
 stroke : 44,0 mm
 weight : ES : 27,6 kg, ED : 19,4 kg
 air consumption : port A : 2,9 l, port B : 3,1 l
 air connection : G1/4''
 pressure range : ES : 3 to 8 bar, ED : 0,2 to 8 bar
 operating media : air, dry or lubricated or non-corrosive gas
 temperature : -20°C bis +80°C
 rotation angle : 90° (+1°; -10°)
 coating : polyester non-TGIC based powder

flanges:



notes

- air consumption is the actual free air volume at 1 atm
- flange and square drive to DIN 3337 or DIN ISO 5211
- solenoid mounting interface acc. to VDI/VDE 3845 (according to NAMUR)
- optional temperature range -40°C to +80°C or -20°C to +120°C
- other inserts optional

mounting options

code	mounting direction	action at spring tension (ES) or B-port prepressurized (ED)	rotation when A-port prepressurized (view from above)
A	in line	closing	ccw
B	across line	closing	ccw
C	across line	opening	cw
D	in line	opening	cw

for further information see document 1.504 (ES) or 1.503 (ED)

dimensions in mm

A	B	C	D	E	E2	F	G	H	I	J	Omax	Omin
387	477	220	30	55	65	36	10	207	113	84,5	27,13	27,00

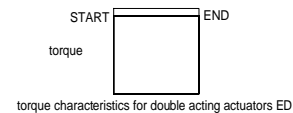
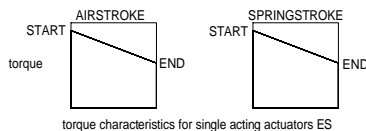
P	Q	R	R1	S	S1	T1	U1	V	W
36,2	85	124	90	124	170	130	30	125	M12x20

*: optional mounting pattern F10 via exchange of centering plate --> V = 102 and W = M10x16

torque in Nm

ES 600	airstroke																springstroke		
	3		3,5		4		4,5		5		5,5		6		7		START	END	
air pressure barg	3		3,5		4		4,5		5		5,5		6		7		START	END	
spring set	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END	START	END	
torque (Nm)	3	179	54	245	120	311	186	377	252	443	318	509	384	575	450	707	582	292	183
	4				240	74	306	140	372	206	438	272	504	338	636	470	389	245	
	5								302	94	368	160	434	226	566	358	487	306	
	6										298	48	364	114	496	246	584	367	

ED 600	air pressure barg								
air pressure barg	2	3	3,5	4	4,5	5	5,5	6	7
torque (Nm)	243	368	430	492	554	617	679	741	866



European Directives

PED : suitable for use with group 2 gases according to Pressure Equipment Directive 97/23/EC
 ATEX : II 2 GD c IIC TX

- to determine the configuration code please see document 1.102.10
- for further information regarding materials, certifications and additional execution please contact your regional sales office
- a complete global listing can be found on www.El-O-Matic.com

Subject to change without notice

VALVE AUTOMATION
DIVISION

EL-O-MATIC
www.el-o-matic.com

Nr. 1.106.0600

Date: 01.03.2012

All rights reserved