

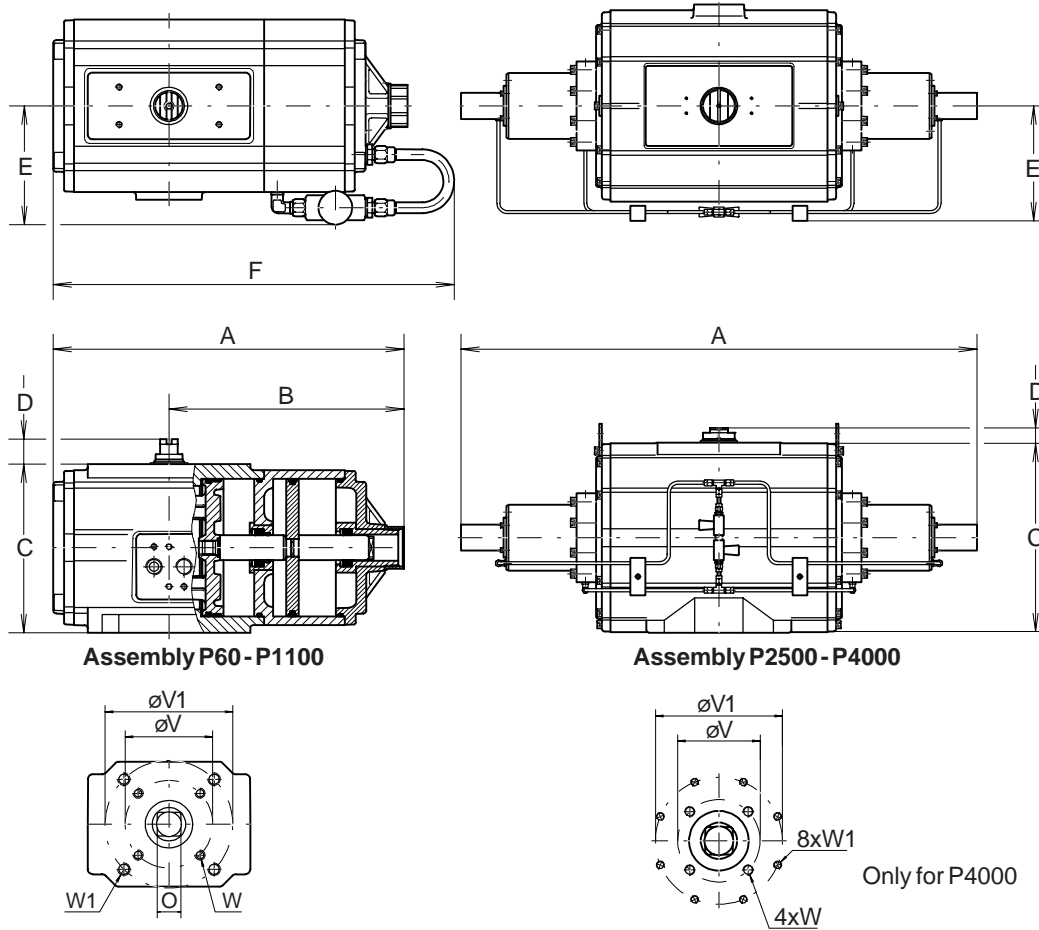
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VALVE AUTOMATION SYSTEMS

INTERNATIONAL
ELO-MATIC

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1.402

Date:
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Assembly P60 - P1100

Assembly P2500 - P4000

Dimensions in mm.	DOUBLE ACTING ACTUATOR TYPE							
	P60	P150	P280	P500	P750	P1100	P2500	P4000
A	226	270	335	369	405	500	910	1030
B	146	180	217	257	264	330	-	-
C	101	135	159	189	232	245	356	380
D	20	20	20	30	30	30	30	30
E	90	108	125	135	160	165	215	230
F	253	289	351	393	411	487	-	-
Oil Capacity (l.)	0.50	0.78	1.28	1.77	2.25	2.70	1.8	1.8
V	-	70	70	102	102	-	165	165
V1	70	102	102	125	125	140	254	254
O	14	17	22	27	27	36	46	55
W	-	M8x13	M8x13	M10x16	M10x16	-	M20x30	M20x30
W1	M8x13	M10x16	M10x16	M12x20	M12x20	M16x25	M16x25	M16x25

Description:

Actuators with hydraulic speed control are used where very slow operating times are required or where sudden changes in load need to be restrained. For instance to prevent the slam shut effect when closing a butterfly valve with a high rate of flow across the disk.

Operation:

An extra hydraulic damping cylinder is incorporated in a standard double acting pneumatic actuator. A control valve, mounted in the bypass at the side of the actuator, provides a very fine speed adjustment by restricting the oil flow from one to the other side of the piston.

Identification:

"HS" is added to the basic part number i.e. PD500-HS (for use on double acting actuators only)

Specification:

Supply Pressure : 1 to 10 bar
Media : Air, dry or lubricated or non-corrosive gas
Lubrication : Not necessary
Temperature : -20° to +80°C
Connecting Tube : PVC copper
Oil : Hydraulic, viscosity index 32 (20 cSt.)

Speed:

Control : Bi-directional

Min.	:	PD	60	150	280	500	750	1100	2500	4000
	:	(s.)	2.4	4.6	6.8	8.4	9.6	12	14	24

Max. : Up to about 60 s., but will depend on local operating conditions

Actuator data:

Materials : See data sheet 1.101
Dimension Details : See data sheet 1.103.xxx
Torque Data : See data sheet 1.402.02

Options:

Unidirectional control, solenoid valve for fast or slow operation, independent speed control in both directions.

EL-O-MATIC ACTUATOR WITH HYDRAULIC SPEED CONTROL HS