Thrustors VS — Technical data

1 - CHARACTERISTICS OF THE THRUSTORS VS

Table 1

TYPE VS	FORCE N	STROKE mm	SPRING FORCE TYPE C N (2)	CURRENT CONSUMPTION AC400V - 50Hz A (1)	POWER CONSUMPTION W (1)	OIL VOLUME L	WEIGHT Kg
I - 256	250	60	210	0,35	175	2,15	13
I - 356	350	60	290	0,55	210	2,15	13,5
II - 506	500	60	450	0,65	260	5	26
II - 806	800	60	850	0,75	350	5	26
III - 1306	1300	60	1250	1,00	430	10	45
III - 2006	2000	60	2000	1,20	560	10	45
III - 3006	3000	60	2700	1,35	720	10	45
III - 3012	3000	120	--	1,35	720	10	45

(1) Current and power values are 20°C room temperature and after some operations.
They are values at end piston position. During the stroke the current increases.
Those values increase at low temperatures.
(2) Only for the option "C", the spring force values are with 20 mm stroke.

Motor (fig.2):
- Asynchronous, 3 ph AC 2 poles
- Insulation class F

Voltages and frequencies of motor :
Standard : 230 / 400 V, 3 phases AC, 50 Hz
Available : All ranges of voltages and frequencies up to 700 V.
All thrustors are star (Y) connected at delivery.

Terminal Box (fig.2) :
Protection class IP65
Cable gland PG16 for cable up to 4 x 2,5 mm^2 (∅17-19 mm).

Oil characteristics :
Hydraulic oil class HL10 DIN 51524, part 1 for a temperature range from -25°C to +50°C.
Different temperature ranges require a special fluids.
Thrustors VS are delivered filled with oil.

Protections :
- Synthetic enamel with Aliphatic Polyurethane base, impact and scratch resistant, colour RAL5005.
- Total thickness : 50 µm

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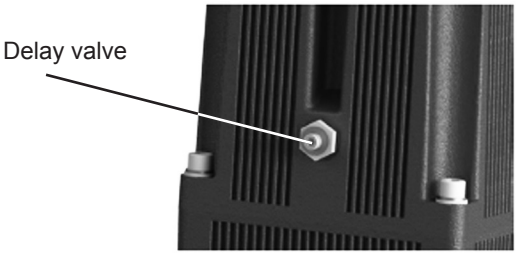
2 - OPTIONS

C : Inner spring
The thrustor is fitted with an inner spring set to provide the necessary braking force. The maximum values of this force are given in table 1 and are for about 1/3 of the lifting stroke.

CS : Limit switches
To signal electrically the extreme positions of the thrustor stroke, inductive (CSAI) or mechanical (CSAM) limit switches are available.

VD : Delay Valve
Thrustors VS can be fitted with a delay valve (VD) (see fig.1).
This option allows to control the closing time of the brake.
By manipulating this valve, reducing or increasing the internal circulation and oil flow, the descent time of the thrustor rod can be controlled.



Heater
A heater can be fitted inside the terminal box for low temperatures or for avoiding moist condensations. This heater must be fed separately than the motor

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3 - DIMENSIONS

Fig. 1

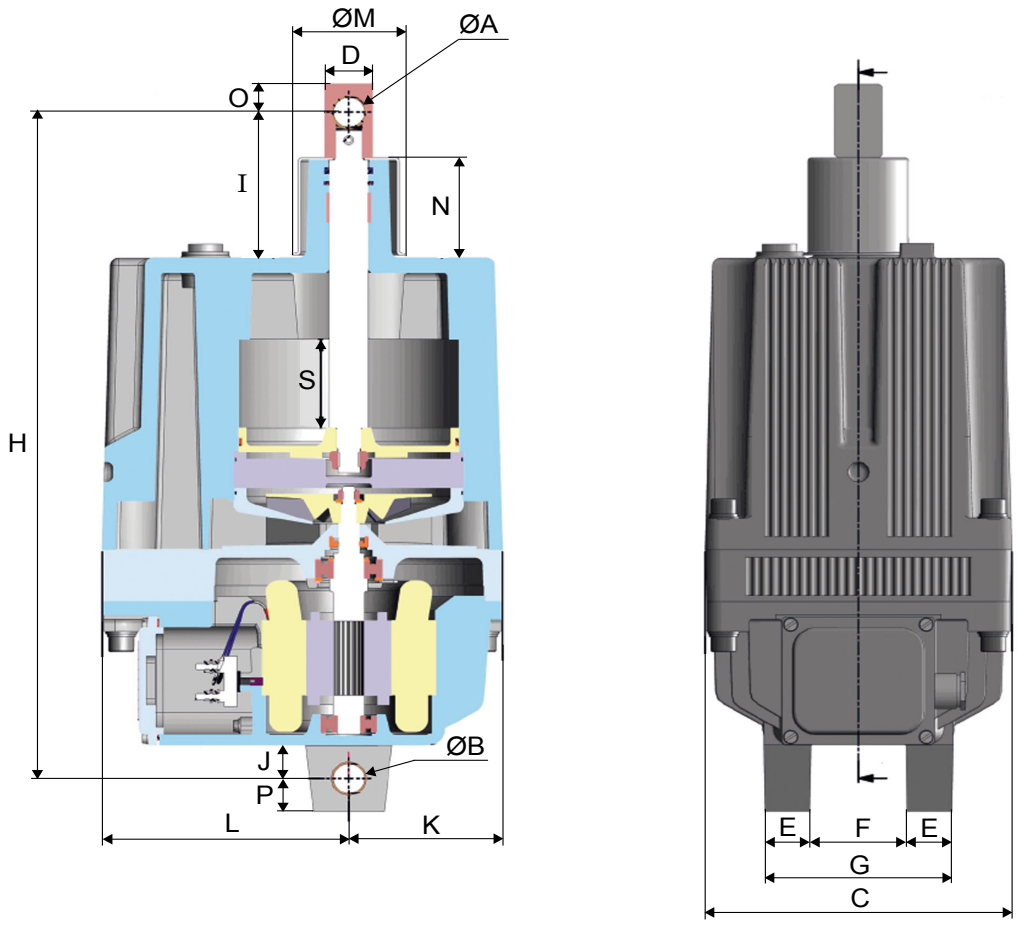

Table 2

THRUSTOR TYPE VS	DIMENSIONS																
	S	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
I - 256	60	12	16	160	20	20	40	80	286	23	20	80	120	--	3	12	16
I - 356		16			25				370	107						15	
II - 506	60	20	20	195	30	30	60	120	435	83,5	23	97,5	156,5	--	52,5	19	22
II - 806									450	98,5				71	67,5		
III - 1306 III - 2006 III - 3006	60	25	25	240	40	25	40	90	645	117	35	120	140	71	73	25	25
III - 3012	120																

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4 - COMPOSITION

Fig. 2