



Electro-Hydraulic Thruster

PT SERIES



Stromag

PRODUCT
CATALOG

ELECTRO-HYDRAULIC THRUSTER

PT Series

PRODUCT OVERVIEW

PT 230/5



PT 300/5



PT 500/6



PT 800/6

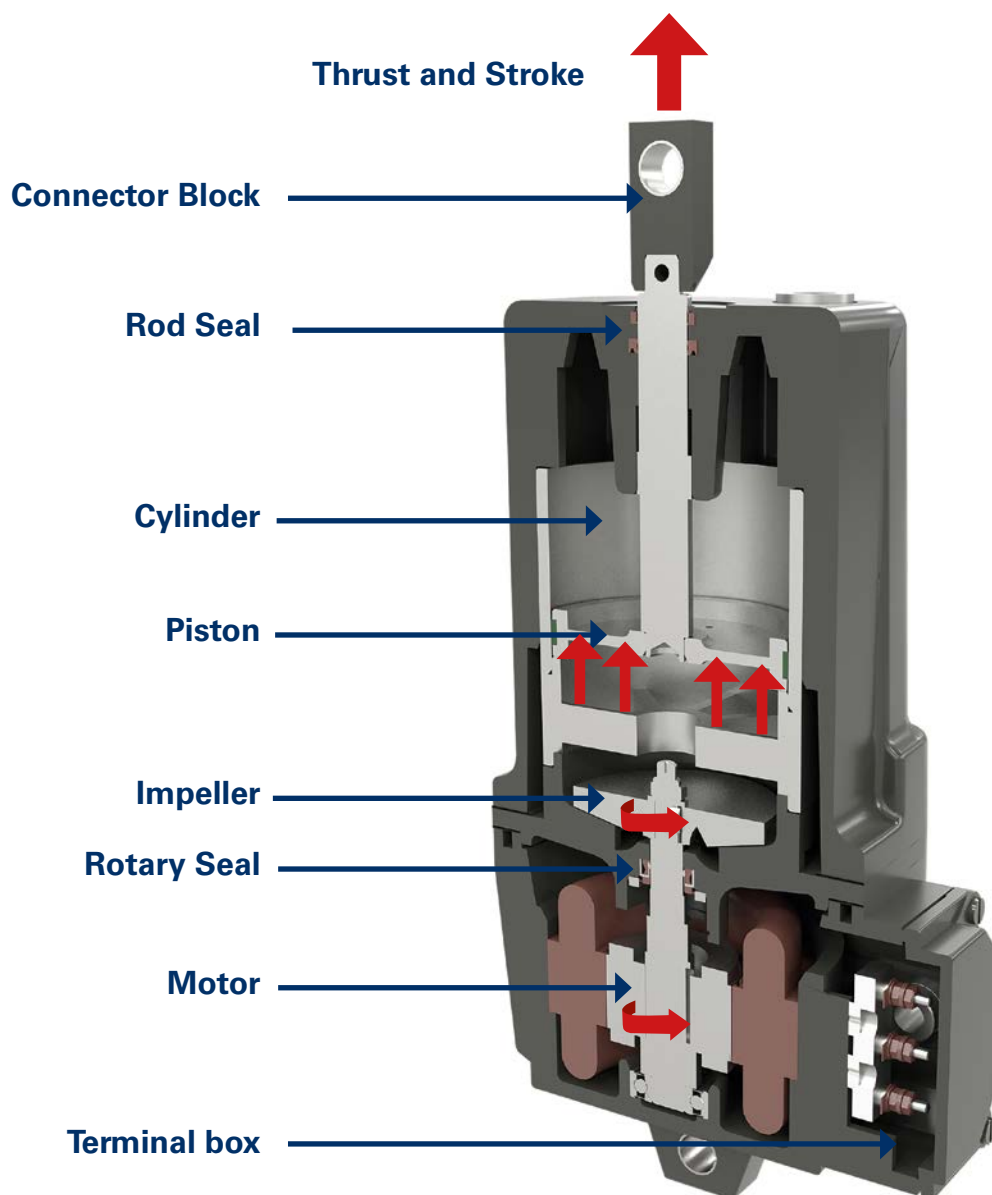


**PT 1200/6
PT 2000/6
PT 3000/6**



DESIGN AND OPERATION

- This is an electro-hydraulic actuator. When we energize the electric motor, this motor turns the impeller which generates hydraulic power.
- The impeller converts the electric power in hydraulic power. This hydraulic power is converted via cylinder-piston arrangement in mechanical force.



ELECTRO-HYDRAULIC THRUSTER

PT Series

CHARACTERISTICS

- DIN 15430 design compliant
- Short actuating time (<400 ms)
- Operating temperature range from -20°C to +90°C (Continuous operation Ambient Temp. Up to 70°C; Intermittent Temp. 90°C at the peak for < 10 minutes 3 times per hour maximum)
- High switching frequency of up to 1200 cycles per hour
- S3-60 % duty cycle
- Bi-directional motor, no changeover contactors required
- Easy to install
- Manual external limiting of the stroke
- Stepless regulation from 400 micro seconds to 8 seconds for slow braking/release above PT 300 (AV/DV)
- Flip thruster body above PT 500 (90/180 degrees)
- IIoT Integration on request
- Non-Standard strokes on demand
- CE certified

GENERAL INFORMATION

MOTOR

- Three-phase asynchronous motor, 2-pole
- Standard Insulation Class H

VOLTAGE AND FREQUENCIES

STANDARD

- 230/415 V, 50 Hz, 3 Phase
- 380/400/440 V, 50 Hz, 3 Phase
- 440/460/480 V, 60 Hz, 3 Phase
- All devices are star (Y) connected on delivery
- For special voltage, kindly contact us.

TERMINAL BOX

- Protection class IP66
- Cable gland PG16 for cable up to 4x2.5 mm² (Ø17-19 mm).

PROTECTIONS

- Corrosion protection class C5-H on demand.
- Standard Protection class C4-M
- Standard Colour RAL 9007

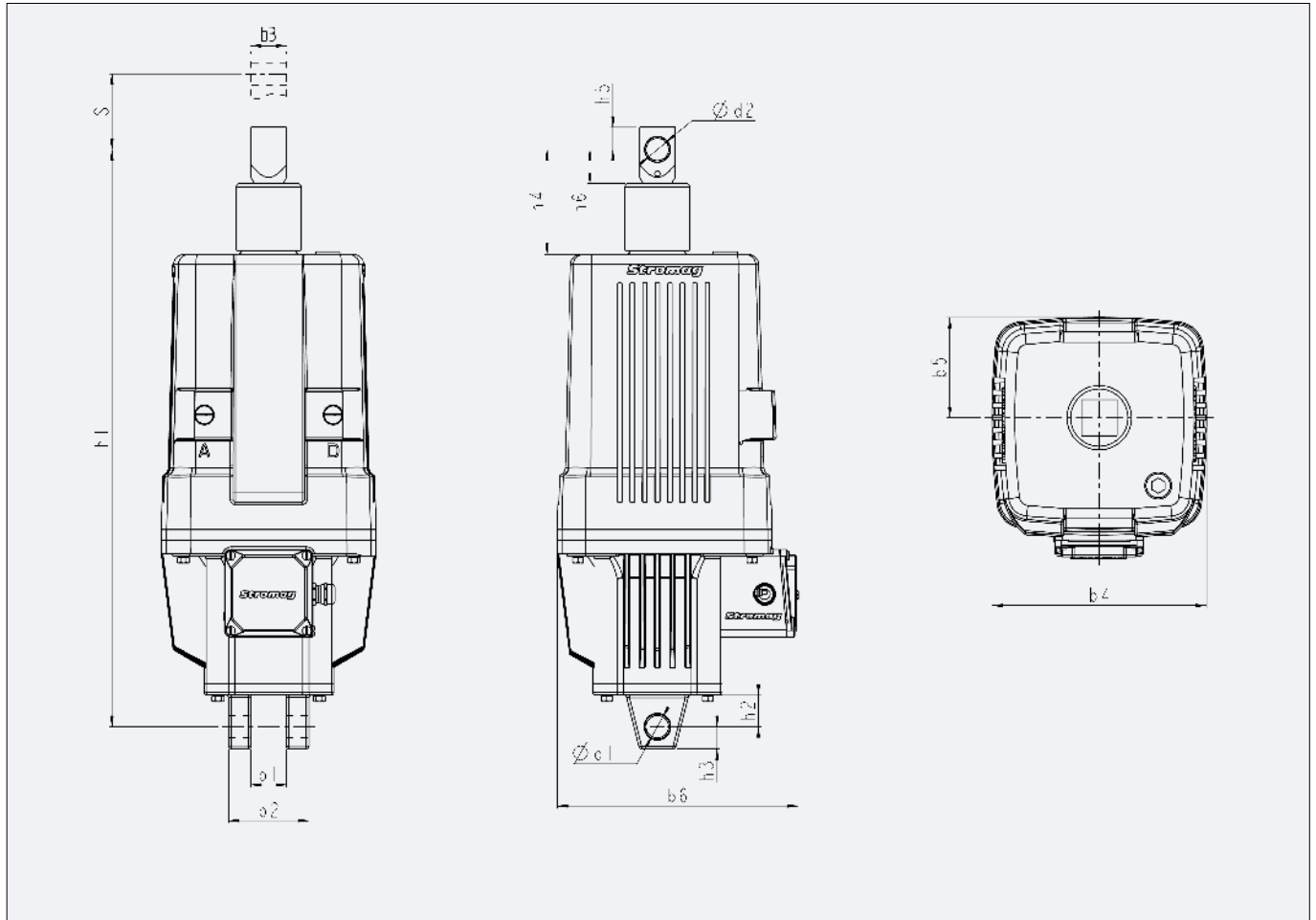
OPERATING THERMAL RANGE

- The PT thrusters are provided with HT (High Temp.) option for operation in ambient temperatures ranging from +10°C to +90°C. (Continuous operation Ambient Temp. Up to 70°C; Intermittent Temp. 90°C at the peak for < 10 minutes 3 times per hour maximum)
- For ambient temperatures between -20°C to +40°C, the PT thrusters are supplied with LT (Low Temp.) option.
* LT/HT options to be selected judiciously, Consult us in case of doubt.

Technical Data

PT Thruster	Force N	Nominal Stroke mm	Optional Stroke mm	Duty Rating at S3 -60% duty cycle/Hrs	Oil Volume L				Weight (W/O OIL) Kg
					STD	AV/DV	IS	AVDV+IS	
PT 230/5	230	50	60	1200	1.2	-	1.15	-	12
PT 300/5	300	50	60	1200	1.7	1.5	1.6	1.5	14
PT 500/6	500	60	80	1200	3.4	3.1	3.3	3.1	22
PT 800/6	800	60	80	1200	3.4	3.1	3.3	3.1	23
PT 1200/6	1200	60	80	1200	6.8	6.5	6.7	3.1	39
PT 1200/10	1200	100	-	1200	6.8	6.5	6.7	6.4	40
PT 1200/12	1200	120	-	1200	6.8	6.5	6.7	6.4	40
PT 2000/6	2000	60	80	1200	6.8	6.5	6.65	6.4	39
PT 2000/10	2000	100	-	1200	6.8	6.5	6.65	6.4	40
PT 2000/12	2000	120	-	1200	6.8	6.5	6.65	6.4	40
PT 3000/6	3000	60	80	1200	6.8	6.5	6.65	6.4	40
PT 3000/10	3000	100	-	1200	6.8	6.5	6.65	6.4	41
PT 3000/12	3000	120	-	1200	6.8	6.5	6.65	6.4	41
PT 4000/6	4000	60	-	1200	6.8	6.5	6.65	6.4	41

DIMENSION DATA



Thruster Type PT	s	b1	b2	b3	b4	b5	b6	d1	d2	h1	h2	h3	h4	h5	h6
PT 230/5	50	40	80	20	160	80	197	16	12	286	20	16	-	12	25
PT 300/5	50	40	80	25	160	80	197	16	16	370	20	16	-	15	43
PT 500/6	60	60	120	30	195	101	245	20	20	435	23	22	-	18	41
PT 800/6	60	60	120	30	195	101	245	20	20	450	23	22	-	18	56
PT 1200/6	60	40	90	40	240	112	270	25	25	645	35	25	117	25	38
PT 1200/10	100	40	90	40	240	112	270	25	25	705	35	25	177	25	38
PT 1200/12	120	40	90	40	240	112	270	25	25	705	35	25	177	25	38
PT 2000/6	60	40	90	40	240	112	270	25	25	645	35	25	117	25	38
PT 2000/10	100	40	90	40	240	112	270	25	25	705	35	25	177	25	38
PT 2000/12	120	40	90	40	240	112	270	25	25	705	35	25	177	25	38
PT 3000/6	60	40	90	40	240	112	270	25	25	645	35	25	117	25	38
PT 3000/10	100	40	90	40	240	112	270	25	25	705	35	25	177	25	38
PT 3000/12	120	40	90	40	240	112	270	25	25	705	35	25	177	25	38
PT 4000/6	60	40	90	40	240	112	270	25	25	645	35	25	117	25	38

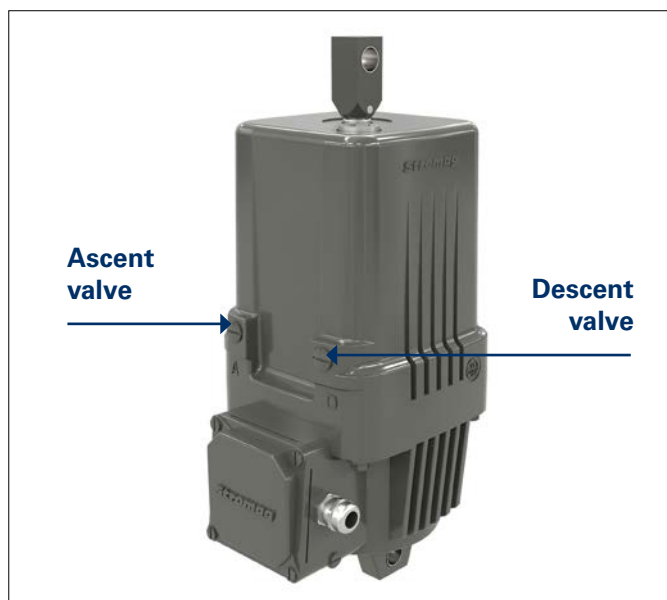
ELECTRO-HYDRAULIC THRUSTER

PT Series

OPTIONS

AV	Ascent valve
DV	Descent valve
SV	Special voltage
SW	High temperature
LT	Low temperature
PE	Special paint
IS	Inner spring
PC	Port crane

AV-DV DESIGN



- Stepless regulation from 400 micro seconds to 8 seconds for slow braking/release above PT 300 (AV/DV)

SV - SPECIAL VOLTAGE

- Special voltage range available from 110 to 690 VAC 3 Phase, 50 Hz or 60 Hz on request

SW - HIGH TEMPERATURE

- PT Thrusters with high temperature option are suitable for high temperatures up to +90°C (Continuous operation Ambient Temp. Up to 70°C; Intermittent Temp. 90°C at the peak for < 10 minutes 3 times per hour maximum)

PE SPECIAL PAINT

- PT Thrusters with customer specific paint are available on request

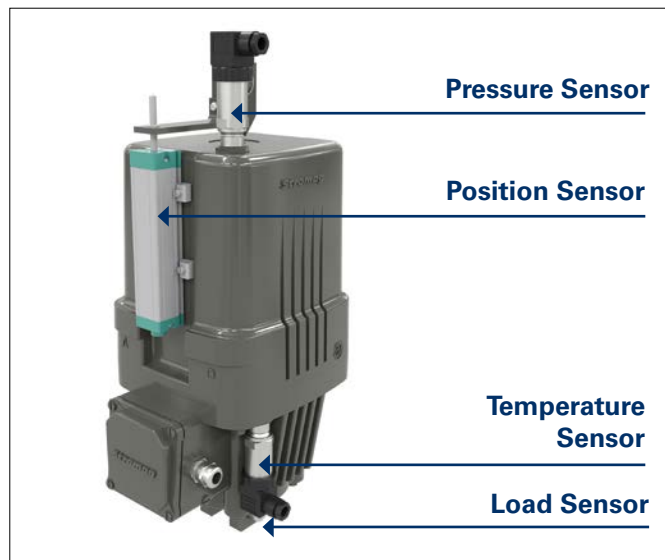
IS-INNER SPRING

- The Thrusters PT with inner spring option has identical overall dimensions as the standard thrusters
- Fixed braking torque, no external spring needed
- Customer specific spring for fixed braking torque available on demand.

Thruster PT	Nominal Force (without inner spring) N	Spring Force (Max) N
PT 230/5	230	180
PT 300/5	300	270
PT 500/6	500	460
PT 800/6	800	750
PT 1200/6	1200	1100
PT 1200/12	1200	1100
PT 2000/6	2000	1900
PT 2000/12	2000	1900
PT 3000/6	3000	2700
PT 3000/12	3000	2700

INDUSTRY 4.0 OPTION

- Add on sensors on request



CABLE GLAND POSTIONS

- Custom cable gland location for PT 500 & above





DECADES OF EXPERIENCE

Across Industries and Applications



Founded in 1932, Stromag™ has grown to become a globally recognized leader in the development and manufacture of innovative power transmission components for industrial drivetrain applications.

Stromag engineers utilize the latest design technologies and materials to provide creative, energy-efficient solutions that meet their customer's most challenging requirements.

Stromag's extensive product range includes flexible couplings, disc brakes, limit switches, an array of hydraulically, pneumatically, and electrically actuated brakes, and a complete line of electric, hydraulic and pneumatic clutches.

Stromag engineered solutions improve drivetrain performance in a variety of key markets including energy, off-highway, metals, marine, transportation, printing, textiles, and material handling on applications such as wind turbines, conveyor systems, rolling mills, agriculture and construction machinery, municipal vehicles, forklifts, cranes, presses, deck winches, diesel engines, gensets and stage machinery.

VISIT US ON THE WEB AT **STROMAG.COM**





Stromag™

stromag.com

Germany

Hansstraße 120

59425 Unna - Germany

+49 2303 102 - 0

customercare.eu@regalrexnord.com

regalrexnord.com

stromag.com

India

+91 2135 622112

www.svendborg-brakes.com

Denmark - Svendborg Brakes

+45 63 255 255

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

"Regal Rexnord" is not indicative of legal entity. Refer to product purchase documentation for the applicable legal entity.

Regal Rexnord, Stromag and Svendborg Brakes are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

© 2025, 2026 Regal Rexnord Corporation, All Rights Reserved. MCC-P-8929-SG-EN-A4 02/26

RegalRexnord™