

AIR TORQUE ACTUATORS AND CONTROL SYSTEMS

“manufactured in Italy”



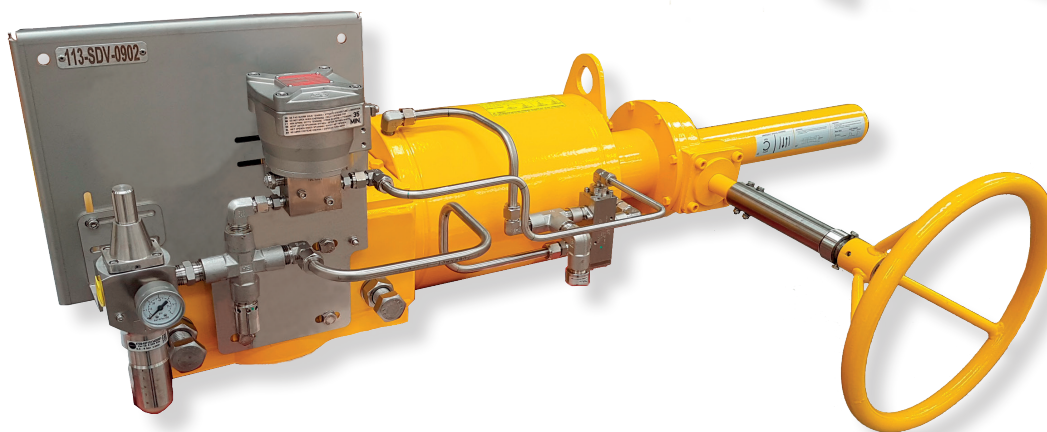
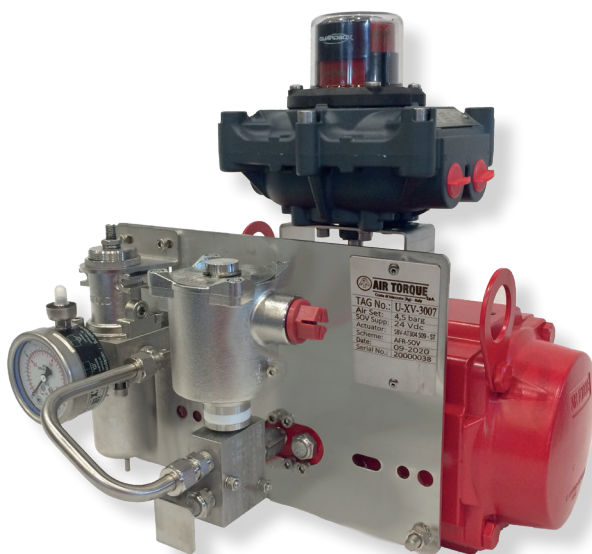
AIR TORQUE AUTOMATION

Air Torque is the worldwide leading manufacturer of pneumatic actuators, thanks to more than 30 years experience in actuators and valve automation since 1990.

Air Torque can combine its top quality actuators both rack and pinion and scotch yoke with excellent, factory tested control systems mounted on board of the actuators or free standing.

Basing on customers' specification, Air Torque can provide complete valve control units designed to meet the most stringent customer needs and stand the most challenging plants environments.

Air Torque offer for actuators is completed with a wide range of solutions for valve automation needs. With our actuators and control panels it's possible to fulfill the end users requirements for control, emergency shutdown and on/off valve applications.

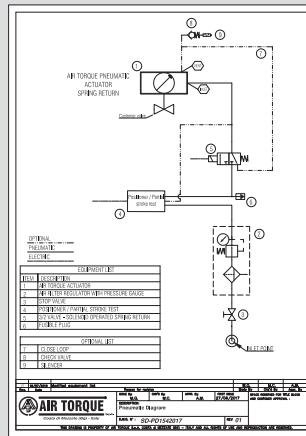


CUSTOMIZED SOLUTION

From customers specification to the real tested actuator with control unit.

A detailed technical specification table with multiple columns for parameters such as pressure, flow, and dimensions. It includes a 'CONTROL VALVE' section at the top and various data points for the actuator's performance and physical characteristics.

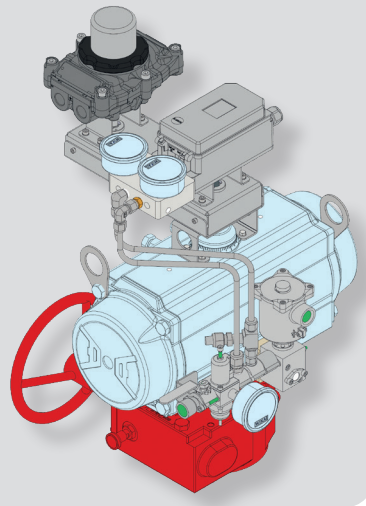
End user specification /
Data sheet



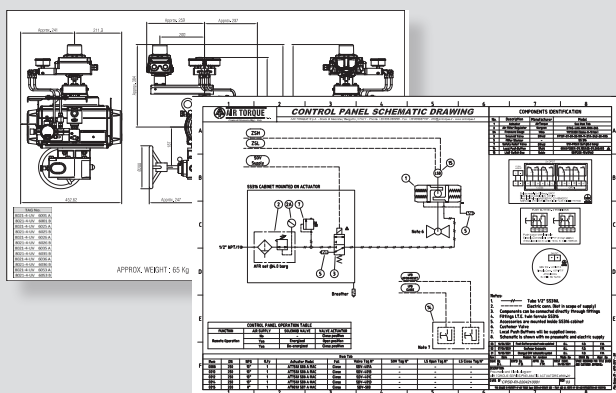
Control system architecture



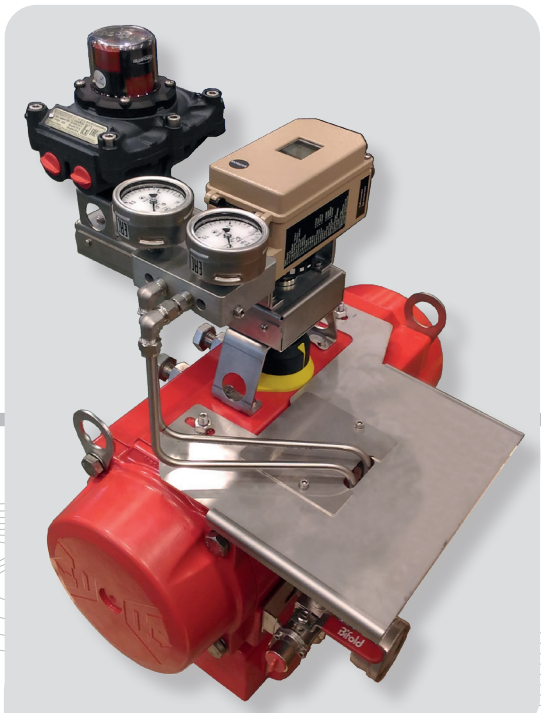
Sizing



Design



Scope of supply definition



Tested product

PROVED PERFORMANCE

Air Torque has a dedicated Engineering staff with extended knowledge and experience of both automation and controls, as well as O&G applications and process industries.

Products are supplied to customers after **testing** in the Air Torque automation dedicated production facility.

Depending on the customer requests the actuators can be delivered with complete Factory Acceptance Test (**F.A.T.**) report based on the Air Torque standard or customer specification.

TORQUE PERFORMANCE TEST

Customer: / Certificate n°: 02-18-08 Date: 01/02/2018
 Purchase order n°: CP5-23815 Acknowledgment n°: PT3004-2111 Page: 1/1
 Description: Actuator model: Pneumatic Actuator PT Series 14 Spring Return 4 PT350 511 L (10°) 10 218 Serial number: / Torque Low: 85 Nm
 Torque High: 160 Nm

POSITION (degrees)	OPENING CW Rotation (Nm)	PRESSURE (BAR)	CLOSING CW Rotation (Nm)	PRESSURE (BAR)
0	1.15	5.40	0	0
15	1.34	5.57	112	0
30	1.53	5.70	122	0
45	1.72	5.83	132	0
60	1.91	5.96	142	0
75	2.10	6.09	152	0
90	2.29	6.22	162	0

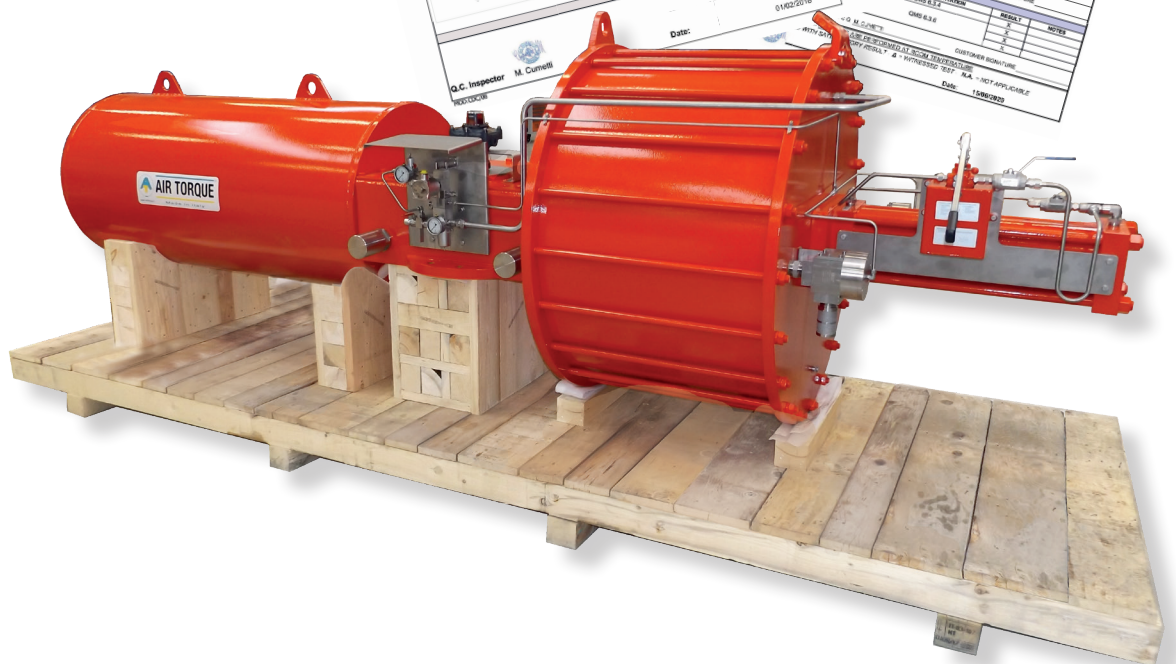
Test Result: Test Passed

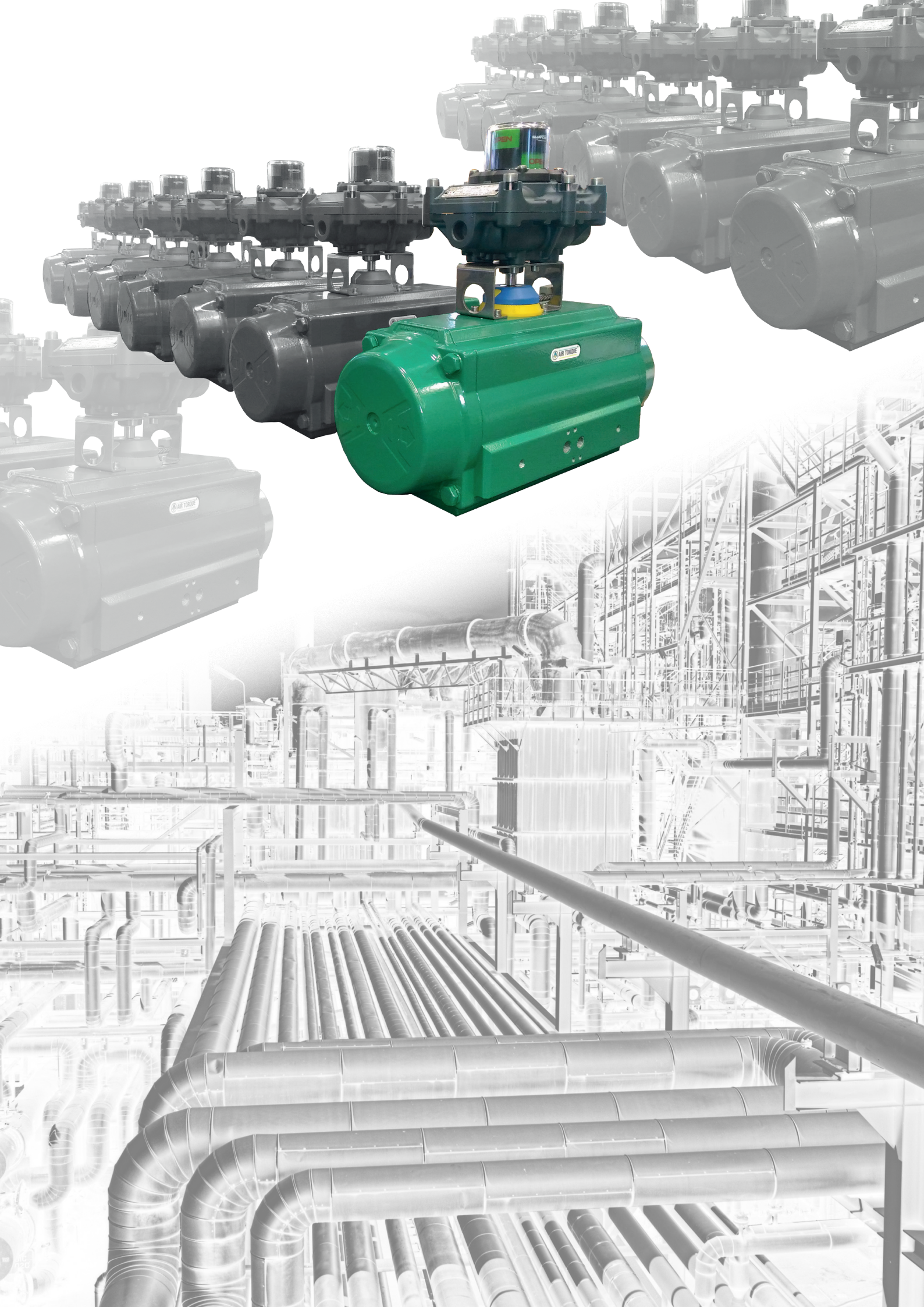
TORQUE DIAGRAM

Graph showing Torque (Nm) vs Position (degrees). The graph shows a linear increase in torque from 0 Nm at 0 degrees to approximately 160 Nm at 100 degrees.

FACTORY ACCEPTANCE TEST CERTIFICATE N° 20110371

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HEAD OFFICE AND WORKS



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