

ISO 5115:2023-11 (E)

Industrial valves - Part-turn valve actuation

Contents	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	4
5 Responsibilities	5
5.1 General	5
5.2 Purchaser	5
5.3 Valve supplier	6
5.4 Actuator supplier	7
5.4.1 General	7
5.4.2 Pneumatic and hydraulic actuators	7
5.4.3 Electric actuators	7
5.5 Mounting kit supplier	8
5.6 Assembly contractor	8
6 Valve torque data	9
6.1 Operating torque	9
6.2 On-demand correction factors	9
6.3 Maximum allowable stem torque (MAST)	10
7 Actuator data	10
7.1 Output torque	10
7.1.1 Pneumatic and hydraulic/electro-hydraulic actuators	10
7.1.2 Electric actuators	11
7.2 Maximum rated pressure	11
8 Mounting components	11
8.1 General	11
8.2 Intermediate support	12
8.3 Coupling	13
8.4 Fasteners	13
9 Actuator size selection	14
9.1 Selection criteria	14
9.2 Additional considerations for actuator	14
10 Automated valve assembly	14
11 Post assembly inspection and testing	15
11.1 General	15
11.2 Visual inspection	15
11.3 Function test	16
11.3.1 General	16
11.3.2 Functional test procedure	16
11.3.3 Optional function tests that may be specified by purchaser	17
12 Marking	17
13 Preparation for shipment	17
14 Documentation	17

Annex A (normative) Assembly sizing data sheet	18
Annex B (informative) Valve operation time	22
Annex C (informative) Ancillary equipment considerations for pneumatic actuators	23
Annex D (informative) Maintenance considerations	24
Bibliography	25