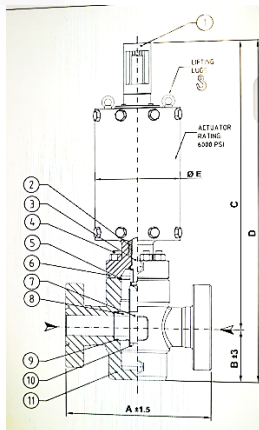




**MANUSIN**

# MANUSIN, S.A. DE C.V.

## ACTUATED GATE VALVE



Valve Features		
1	Valve Type	Slab Gate
2	Valve Action	Reverse Acting
3	Seat Sealing	Water Sealed
4	Installation	Above Ground
5	Valve Body	Die Forged
6	Valve Bonnet	Forged
7	Specification	API 6A
8	Valve Size	Full Size 52.4 mm
9	End To End Dim.	483 mm ± 2 mm
10	Valve Inlet Size	2 1/8"
11	Press. Rating	15000 PSIG
12	Connections and Ring	Flanged RTJ BX-152
13	Connection spec.	API 6A
14	Valve Outlet Size	2 1/8"
15	Press. Rating	15000 PSIG
16	Connections and Ring	Flanged RTJ BX-152
17	Connection spec.	API 6A
18	Leakage Class	Tight Shut-Off
19	Stem Type	Mixed Stem
20	Fire Safe	Yes, design according to API 6FA
Valve Materials		
21	NACE MR-01-75	Yes
22	Body Material	API 610
23	Bonnet Material	API 610
24	Stem Material	ASTM A504 - 520 17.4 PH 55
25	Gate Material	API 610 55 + TC Overlay
26	Seat Material	API 610 55 + TC Overlay
27	Coated Material	API 610 55
28	Stem Packing Mat.	PTFE + Esglye + Pack
29	Seals Material	FKM AED
30	Stud Material	ASTM A193 - B7 (*)
31	Nut Material	ASTM A194 - 2H (*)
32	Stem Nut Material	API 610 55
33	Gasket Material	API 610 55
34	Manual Override	N/A
(*) Zinc Plated		

Actuated Gate Valve		
Actuator Features		
37	Actuator Type	Hydraulic
38	Action	Single Acting
39	Power Failure	Fail Close
40	Ambient Temperature	20 to 50 (extreme)
41	Power Medium	Mineral Hydraulic Oil
42	Min. Supply Pressure	90 Bar
43	Max Supply Pressure	414 Bar
44	Spring Pressure	1.25 @ 500 DP
45	Safety Factor	1.45
46	Stem Volume	1.45 L
47	Connection	1/2" NPT-F
48	Closing Time	8 sec.
49	Opening Time	TBA (see Note 2)
50	Manufacturer	Quinn
51	Actuator Model	ASH-180-276-100
52	Schematic Diagram	See Note 3
Actuator Materials		
53	Cylinder Material	Stainless Steel - ENP Plated
54	Piston Material	Stainless Steel - ENP Plated
55	Stem Material	API 620 - 17.4 PH
56	Spring Material	ASTM A501
57	Coast/Tripover Material	Carbon Steel
58	Seals Material	NBR
Functional Accessories		
59	Manual Override	N/A
60	Quick Exhaust	No
61	Filter	No
62	Filter Regulator	No
63	Solenoid valve	-
64	Solenoid valve execution	-
65	Limit switches	-
66	Limit switches execution	-
67	Fillings	-
Transformer		
68	Execution	-
69	Material	-
70	Output Signal	-
71	Elect. Connection	-