

Valve Type	Directional Rotary Gate Valve
Nominal Size	3/8", 1/2" & 3/4"
Nominal Bore	9.53mm, 12.7mm & 19.05mm
Valve Trim	FF or HH
Body/Bonnet Material	Available in either UNS S32760 25% Duplex, UNS N06625 Nickel Alloy 625 or UNS N09925 Nickel Alloy 925
Seat Material	Available in either UNS S32760 25% Duplex, UNS N06625 Nickel Alloy 625 or UNS N09925 Nickel Alloy 925 with a Tungsten Carbide hard faced sealing face
Gate Material	Solid Nickel Bonded Tungsten Carbide
Stem Material	Available in either UNS N07718 Nickel Alloy 718 or UNS N07725 Nickel Alloy 725
Main Pressure Containing Fasteners	API 20E, API 20F or customer specific requirements
Primary Stem Seal	Metal to Metal
Secondary Stem Seal	PTFE/PEEK/ELGILOY
Seawater Ingress Seal	Polymite Shell / HNBR O-Ring
Paint	Two and three coat system available or to customer specific requirements
Check Valve	Integral metal to metal check valve available upon request
Compensator	Available upon request

Design Data

Max Operating Pressure	15,000 psi (1035 bar)
Rated Water Depth	3,048m (10,000 ft)
Design Temperature (Min)	-29°C (-20°F)
Design Temperature (Max)	Up to 150°C (302°F)
Design Lifetime	25 Years
Design Codes/Qualification	API6A 21 st Edition/17D 3 rd Edition, ISO 10423, NACE, NORSOK
Design Standard	PSL3G

Actuator

Failure Mode	Fail Safe Close
Actuator Operating Pressure	Up to 6,000 psi (414 bar)
Actuator Supply Port	3/8" Autoclave MP SF375CX20
Actuator Flushing Port	3/8" Autoclave MP SF375CX20
Design Temperature (Min)	-4°C (25°F)
Design Temperature (Max)	66°C (150°F)
Fluids	Water based , oil based or to customer specific requirements

Interfaces

Connections	Flanged, Welded or Threaded to suit customer specific requirements
ROV Interface	ISO 13628-8 Type A Class 1 - 4, or to customer specific requirements
ROV Receptacle	Mounted or Remote
Extension Rod	Available on request
Turns to Open/Close	1/4 turn
Manual Override	Available—Requires 240N push to disengage

Engineering solutions for extreme environments.

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