



Gate



Globe



Check



Ball

Fluitek Valves

Specially engineered valves



Who?

Fluitek Orsenigo Valves (FOV) is a global designer and valve manufacturer of engineered valves. Long time has passed, and a lot has happened ever since: the new ownership started in 2019 consolidated FOV presence in the market and made us a center of excellence for design and construction of a large range of valves type. This stabilized FOV reliability and reputation allowing us to become a valuable player in the oil and gas industry.

Our solutions are exported worldwide assuring one of the largest existing valves installed base to EPCs End Users and Constructors.

Where?

Fluitek is located in Costa di Mezzate, close to Bergamo and 1hr driving from Milan, in the north of Italy. We are close to all main airports and train stations so you can reach us easily.

Why?

Because we are good at making valves. Our product is engineered to order and tailored on customer requests. We take care of all production steps from quotation to delivery.

What?

FOV is a valve manufacturer. Our production includes Ball, Gate, Globe and Check valves, size range ½" to 60" compliant to main international standards like API 6D, API 6DSS, API 6A, API 600, ASME B16.34 EN/BS etc.

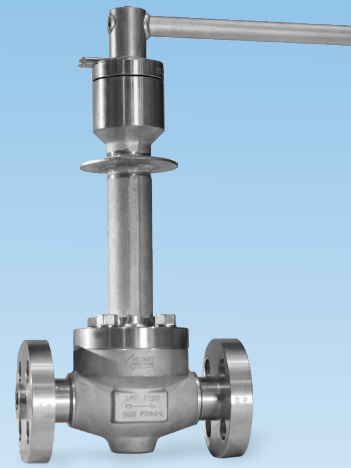
We treat all type of materials: Carbon Steel, Stainless Steel, Duplex Steel, Super Duplex Steel, Alloy Steel, Incoloy-Monel, 6Mo, Titanium.

Our valves cover all type of applications (Upstream-Midstream-Downstream) and can be installed in all fields (Power Plants- Pipelines-FPSOs etc).

When?

We started in 1987. We are thriving. We are not stopping.





Ball Valves

Standard

API 608 / API 6D
API 6A / API 6DSS

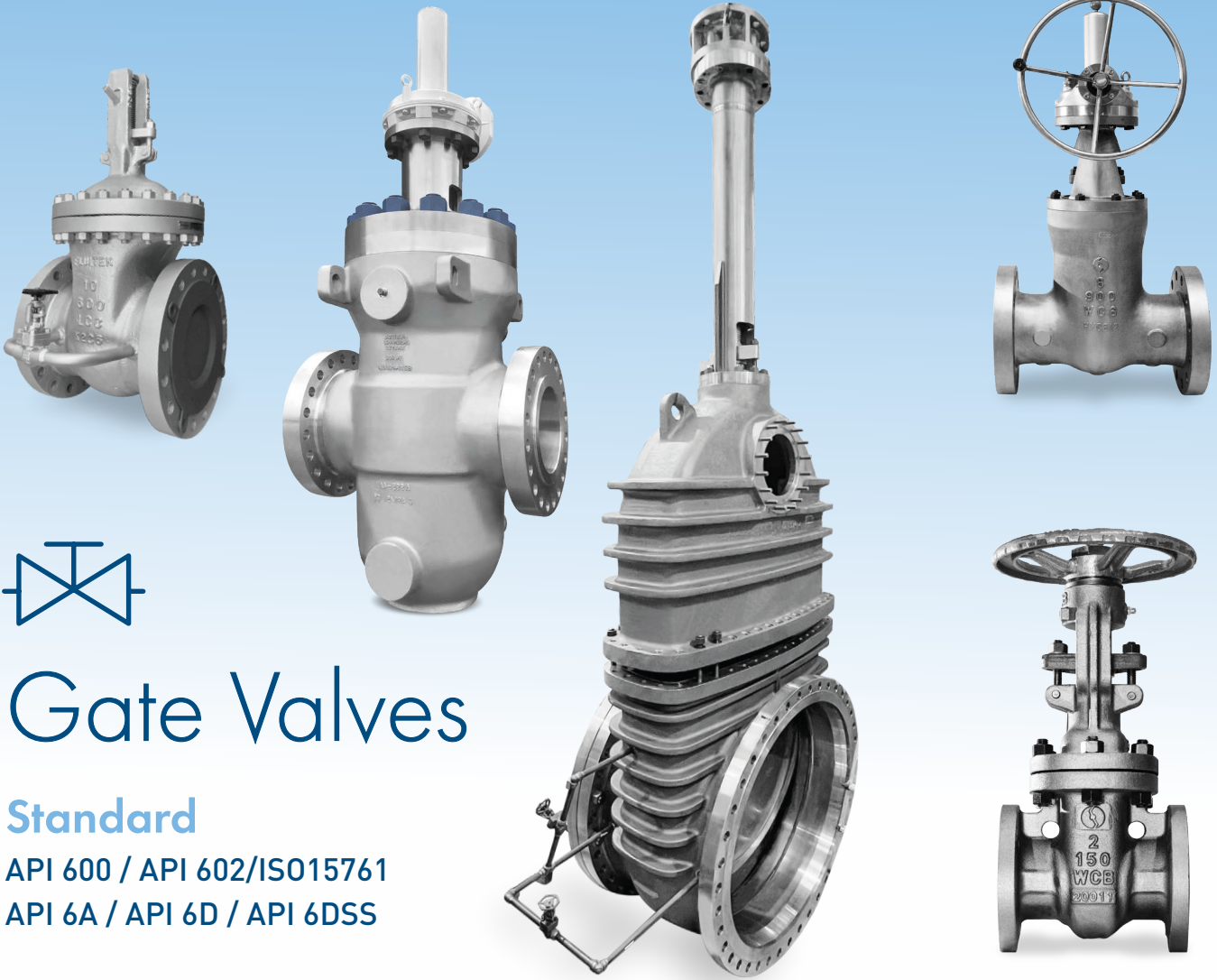
Configuration

Trunnion Mounted or Floating
Side entry bolted body 2/3 pcs forged/cast body
Top entry bolted bonnet forged/cast body
Side entry Welded body 2/3 pcs forged/cast body
Compact modular ball valves
Multiways design L, T, Y port
Manual or actuated
Soft/Metal Seated
Range NPS 1/2"/60"



Class 150-2500#
API 6A up to 15000psi
Flanged/BW/Compact Flanges/Hub
All materials combination
Elastomeric/thermoplastic seals
Fire Safe – Anti Blowout stem
Seat configurations DB&B DIB-1 DIB-2
HP-HT-LT-Cryogenic design





Gate Valves

Standard

API 600 / API 602/ISO15761

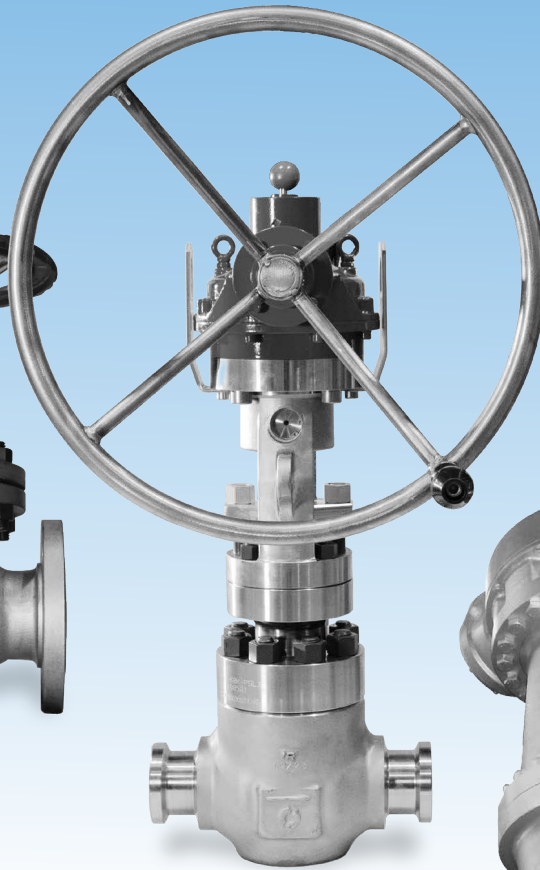
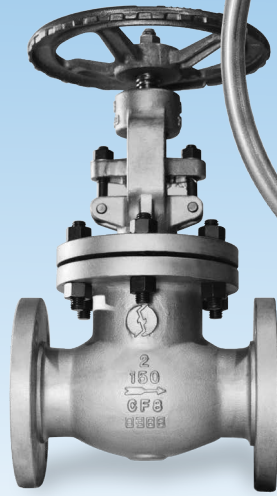
API 6A / API 6D / API 6DSS

Configuration

Bolted bonnet
 Welded Bonnet
 Pressure seal
 Breech lock design
 Forged/Cast execution
 Range NPS ¼"/60"
 Class 150-4500#
 API 6A up to 15000psi
 Flanged/BW/Compact Flanges/Hub/Sw/
 Npt ends available

All materials combination
 Fully guided wedge reduces wear on seating surfaces
 Solid-Flexible-Split wedge
 Parallel Slide or Expanding Gate as requested
 Outside screw and yoke
 Rising stem non rising handwheel
 Lantern ring
 Bellow seal
 Anti Blowout stem
 HP-HT-LT-Cryogenic design





Globe Valves

Standard

BS1873 - BS5352 / API 602/ ISO15761

API 6A / API 6DSS

Configuration

Bolted bonnet
Welded Bonnet
Pressure seal
Breech lock design
Y-T pattern
Forged/Cast execution
Range NPS 1/4"/30"
Class 150-4500#
API 6A up to 15000psi
Flanged/BW/Compact Flanges/Hub/Sw/
Npt ends available

All materials combination
Plug, Needle, Parabolic, Soft seated,
Anti cavitation blow down disc are available
as requested
Outside screw and yoke, Rising stem,
Rising handwheel
Lantern ring, Bellow seal
Anti Blowout stem
HP-HT-LT-Cryogenic design





Check Valves

Standard

BS 1868 / API 6D / API 602/ISO15761
API 6A / API6D / API 594 / API 6D SS

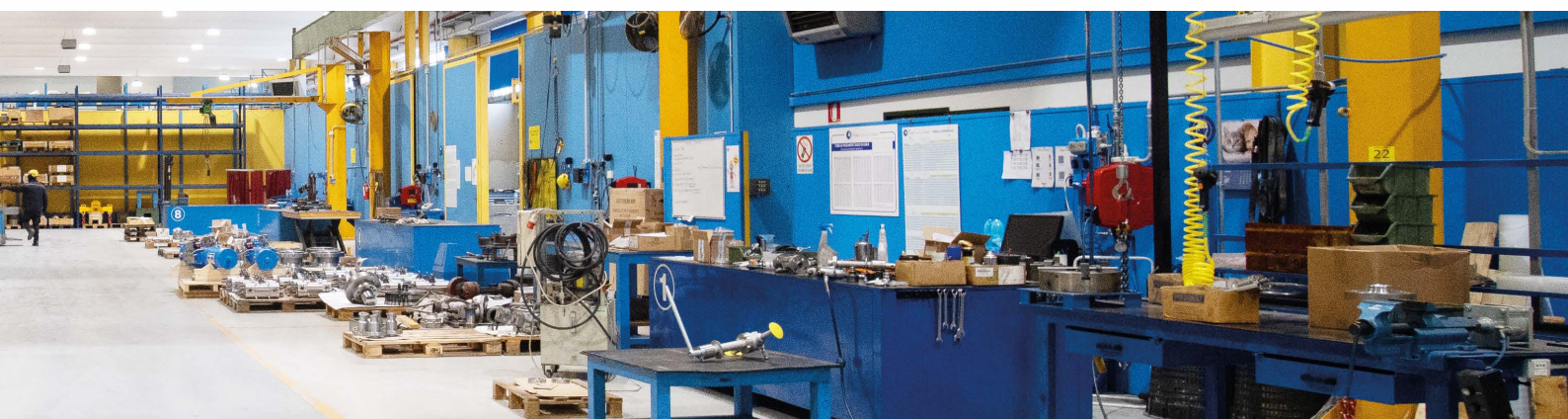


Configuration

- Bolted bonnet
- Welded Bonnet
- Pressure seal
- Breech lock design
- Y/T pattern
- Forged/Cast execution
- Range NPS 1/4"/60"
- Class 150-4500#
- API 6A up to 15000psi
- Flanged/BW/Compact Flanges/Hub/Sw/
- Npt ends available
- All materials combination
- Swing-Piston-Ball with or without spring are available.

- Dual Plate
- With or without retainer as requested
- Lightweight disc for fast closing without backflow
- Shock bumpers extend the cycle life of the valve trim with minimal wear under the most severe services.
- Low pressure drop

- Non Slam check
- Powerful spring for ultra-fast closing action
- Venturi pattern design
- No chattering effect to minimize pressure fluctuation during normal conditions
- High dynamic response and zero reverse flow
- Nozzle design for better flow regulation
- HP-HT-LT-Cryogenic design





Quality

The main quality controls carried out by FLUITEK ORSENIGO VALVES are:

Dimensional Inspection

All necessary equipment in house
Faro measuring arm

Non Destructive Testing

MT: Magnetic particles examination
PT: Dye penetrant examination
UT: Ultrasonic examination

Pressure Test To

API598 - ISO 5208 - BS 6755
API 6A - API 6D
ASME B16.34 - EN 12266 - 1

High Pressure Hydraulic Shell test
High Pressure Hydraulic Back Seat test
High Pressure Hydraulic Seat test
Low Pressure Pneumatic Seat test
Functional test

Tests equipment:

- 3 Hydraulic & Pneumatic horizontal testing unit for valves DN 1/2" to 16", up to class 4500#
- 3 Hydraulic & Pneumatic vertical testing unit for valves DN 2" to 16", up to class 600#
- 1 Hydraulic & Pneumatic horizontal testing unit for valves DN 10" to 48", up to class 4500#
- 2 Hydraulic & Pneumatic horizontal testing unit for valves DN 1/2" to 4", up to class 10000#
- 1 Hydraulic & Pneumatic horizontal testing unit for valves DN 2,1/2" to 20", up to class 1500#
- 1 Hydraulic & Pneumatic horizontal testing unit for valves DN 2,1/2" to 24", up to class 1500#
- 1 Hydraulic & Pneumatic horizontal testing unit for valves DN 6" to 36", up to class 2500#

Chemical Analysis

PMI: Positive material identification
Mass spectrometer 16 channels

Micrographic analysis

Available also:

Fugitive emission test (helium/nitrogen)
Cryogenic test
Corrosion test
Cleanliness for oxygen application
Fire Safe tests
High pressure gas tests
Tensile test (including hot tensile)
Hyperbaric Test for subsea application
Torque test

Qualified Personnel

FLUITEK ORSENIGO VALVES personnel is qualified to carry out all the above mentioned controls. In particular, for Non Destructive Tests, FLUITEK ORSENIGO VALVES staff includes fully trained qualified and certified personnel in accordance with STN-TC-1A and EN 473 requirements.

Certifications

ISO 9001:2015
OHSAS 18001
2014/68/UE - PED Direttive
2014/34/UE - Atex Direttive
IEC 61508:2010 SIL
API 6D
API 6DSS
API 6A / ISO 10423
API 17D / ISO 13628-4



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