

A-T ARMATUREN-TECHNIK GMBH

Absperr-Armaturen, Regelventile, Turbinen-Umleitsysteme für Kraftwerkstechnik, Öl und Gas Pipelines

Isolating, control valves and turbine bypass systems for the electric power industry, oil and gas pipelines



VALVES



A-T ARMATUREN-TECHNIK GMBH

Duisburger Strasse 375

T-Building

46049 Oberhausen (Germany)

phone: +49.208.833-1700

fax: +49.208.833-1755

web: www.at-armaturen.com

email: sales@at-armaturen.com

Slap Gate Valve

DN
100-1200

PN
80-125

ANSI
300#-900#

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Slap Gate Valve for gas and oil industry

VALVES

Technical description

Through conduit slab gate valve
DN 1200 (48"), PN 80, full bore,
weld ends to match line pipe
X60, double block and bleed,
double barrier and bidirectional,
self-relieving body cavity
pressure, cast body design,
bolted bonnet, floating seats,
spring energized, soft seated
with elastomeric sealing
element, rising stem, redundant
stem seal with plastic Polyure-
thane and Teflon seals, backseat
TFE bonnet gasket, bottom
flushing port 1 1/2" w/pipe
internal to valve body, vent port
on bonnet.

Applicable specifications

Designed and built
according to API 6D / ISO 14313
Compliance
with specification CTT-08.00-60.30.00-KTH-021-1-05

Materials

Body and bonnet A352 Gr. LCC w/ impact test
KCV at -60C, 24,5 J/cm²
Slab gate A516 Gr. 70 w/ 0.075 mm ENP
Seats A350 LF2 w/ 0.075 mm ENP
Stem A182 F6 NM w TFE coating on threaded stem
Bolting A320 L7 / A194 Gr. 4
Seat seals Teflon / Polyurethane
Stem seals TFE / Elgiloy
Body / bonnet gasket TFE / Elgiloy-Viton GLT AED
Springs Elgiloy
External coating Polyurethane coating -min thickness > 2 mm
Top work to fit electric multi-turn actuator-Stem
provided with trapezoidal metric thread

Service conditions

Design pressure 8 MPa/ 10 MPa/ 12,5 MPa
Differential pressure Full Differential
Tightness class According to GOST 9544
Body test pressure 1.5 x Design pressure
Seat test pressure 1.1 x Design pressure
Seat air test pressure 0,6 MPa
Ambient temperature -45 °C/ -60 °C / +40 °C
Fluid temperature -15 °C / + 40 °C
Seismic area MKS > 9

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