General-purpose and oil and gas pipeline armature
General-purpose pipeline armature

Rising-stem cast gate valve
- DN 50-1200
- PN 16-100 bar
- Operating medium:
  - water, steam
  - gas
  - oil, petrochemicals
- Connection to pipeline:
  - flanged
  - by welding
- Tightness class:
  - A, B, C according to EN 12266-1
- Body material: C, S, T
- Drive type:
  - wheel
  - reducer
  - actuator
- Temperature range: +600°C to +450°C

Rising-stem welded gate valve
- DN 150-2400
- PN 1-10 bar
- Operating medium:
  - water, steam
  - gas
  - oil, petrochemicals
- Connection to pipeline:
  - flanged
  - by welding
- Tightness class:
  - A, B, C according to EN 12266-1
- Body material: C, A, S
- Drive type:
  - wheel
  - reducer
  - actuator
- Temperature range: +450°C to +300°C

Rising-stem stamp-welded gate valve
- DN 150-1000
- PN 16-25 bar
- Operating medium:
  - water, steam
  - gas
  - oil, petrochemicals
- Connection to pipeline:
  - flanged
  - by welding
- Tightness class:
  - A, B, C according to EN 12266-1
- Material: C, A, S
- Drive type:
  - wheel
  - reducer
  - actuator
- Temperature range: +450°C to +300°C

Goggle gate valve
- DN 400-3200
- PN 1-4 bar
- Operating medium:
  - blast furnace gas
  - coke gas
  - mixed gas
- Connection to pipeline:
  - flanged
- Tightness class:
  - A according to EN 12266-1
- Material: C, A
- Drive type:
  - manual
  - reducer
  - actuator
- Temperature range: +100°C

Non-rising stem stamp-welded cast gate valve
- DN 400-1600
- PN 2,5-25 bar
- Operating medium:
  - water, steam
  - gas
  - oil, petrochemicals
- Connection to pipeline:
  - flanged
  - by welding
- Tightness class:
  - A, B, C according to EN 12266-1
- Material: C, A, S
- Drive type:
  - reducer
  - actuator
- Temperature range: +425°C

Non-rising stem welded gate valve
- DN 500-1600
- PN 2,5-10 bar
- Operating medium:
  - water, steam
  - gas
  - oil, petrochemicals
- Connection to pipeline:
  - flanged
  - by welding
- Tightness class:
  - A, B, C according to EN 12266-1
- Material: C, A, S
- Drive type:
  - reducer
  - actuator
- Temperature range: +425°C
General-purpose pipeline armature

Inter-flanged butterfly valve

DN 32-1000
PN 6-16 bar
Operating medium:
- water, air, oils, natural gas, etc.
Connection to pipeline:
- flanged
Tightness class:
- A according to EN 12266-1
Body material: I
Drive type:
- handwheel
- reducer
- actuator

+125°C

Gas valves

DN 50-3200
PN 0,001-16 bar
Operating medium:
- blast-furnace gas
- coke gas,
- air
Connection to pipeline:
- flanged;
Body material: C, A, S
Drive type:
- manual
- actuator

+600°C

Vent valves

DN 200-1600
PN 0,05 bar
Operating medium:
- vent system air
Connection to pipeline:
- flanged
Tightness class:
- A according to EN 12266-1
Material: C, A, S
Drive type:
- actuator

+80°C

Steel shutoff valve

DN 10-250
PN 16-63 bar
Operating medium:
- water, air, steam, ammonia,
natural gas, oil, etc.
Connection to pipeline:
- flanged
Tightness class:
- A, B, C according to EN 12266-1
Material: C, S
Drive type:
- wheel
- actuator

+565°C

Elastic packing butterfly valve

DN 200-2200
PN 10-25 bar
Operating medium:
- water, thin pulp
- gas, air
Connection to pipeline:
- flanged
- by welding
Tightness class:
- A according to EN 12266-1
Material: C, A
Drive type:
- manual
- actuator

+200°C

Metal to metal butterfly valve

DN 200-2000
PN 1-16 bar
Operating medium:
- water, steam
- gas, air
Connection to pipeline:
- flanged
- by welding
Tightness class:
- A, B, C according to EN 12266-1
Material: C, A
Drive type:
- manual
- actuator

+450°C
General-purpose pipeline armature

**Dashpot swing check valve**

DN 600-2000  
PN 2.5-80 bar  
Operating medium:  
- water, pulp, steam, oil, etc.  
Connection to pipeline:  
- flanged  
- by welding  
Tightness class:  
- according to GOST 13252-91  
Material: C, A  
Drive type:  
- automatic (be operating medium flow)

**Cast swing check valve**

DN 32-800  
PN 16-160 bar  
Operating medium:  
- hydrocarbons, oil, natural gas, water, steam, etc.  
Connection to pipeline:  
- flanged  
Tightness class:  
- according to GOST 13252-91  
Material: C, A, S  
Drive type:  
- automatic (be operating medium flow)

**Lift check valve**

DN 20-100  
PN 63-160 bar  
Operating medium:  
- water, steam, oil, natural gas, etc.  
Connection to pipeline:  
- by welding  
Tightness class:  
- according to GOST 13252-91, A class according to EN 12266-1 is possible  
Material: C, A, S  
Drive type:  
- automatic (be operating medium flow)

**Welded swing check valve**

DN 50-2000  
PN 16-63 bar  
Operating medium:  
- water, steam, oil, ammonia, natural gas, etc.  
Connection to pipeline:  
- flanged  
- by welding  
Tightness class:  
- according to GOST 13252-91  
Material: C, A, S  
Drive type:  
- automatic (by operating medium flow)

**Quick closing isolating valve**

DN 50 1500  
PN 1-25 bar  
Operating medium:  
- natural, coke, blast-furnace, ferroalloy plant  
- air  
- water, steam, petrochemicals  
Connection to pipeline:  
- flanged, be welding  
Tightness class:  
- A according to EN 12266-1  
Material: C, A  
Drive type (open):  
- M30 actuator  
- manual  
Drive type (closed):  
- VVM electromagnet
General-purpose pipeline armature

Three-way ball valve
- DN 32-50
- PN 16 bar
- Operating medium: water, steam, fuel gas, etc.
- Connection to pipeline: flanged, union joint
- Tightness class: A according to EN 12266-1
- Material: C, S, B
- Action type: T-type, L-type
- Drive type: manual

Gas filters
- DN 100-1500
- PN 10-63 bar
- Operating medium: oxygen, nitrogen
- Connection to pipeline: flanged, be welding
- Material: C, A, S

Nonstandard pipeline fittings upon customer’s request

| Body material steel type (and identification mark) | Carbon steel | Alloy steel | Stainless steel | Iron | Bronze |
Oil and gas pipeline fittings

**Oil-filled gate valve**

DN 50-150
PN 140-1050 bar
Operating medium:
- oil and gas well products
Temperature level: L-U;
Quality level: PSL-1 - PSL-3;
Operational data: - PR1, PR2
Connection to pipeline: - flanged;
Tightness class:
- A according to EN 12266-1
Material class: under API 6A
Arrangement: X1, K1, K2, K3 under ГОСТ 13846
Drive type:
- manual (wheel)
- actuator
- hydodrive

**Stamp-welded wedge gate valve for main oil pipeline**

DN 50-1000
PN 16-80 bar
Operating medium:
- petroleum and its products
Connection to pipeline:
- welded, flanged
Tightness class:
- A according to EN 12266-1
Material type: C, A, S
Drive type:
- manual (wheel)
- reducer
- actuator

**Gate valves for reservoir pressure maintenance system**

DN 50-300
PN 100-250 bar
Operation medium:
- water, natural gas, petroleum and its products
Connection to pipeline:
- welded
- flanged
Tightness class: - A according to EN 12266-1
Material type: A
Drive type:
- reducer
- actuator
- manual (wheel)
- worm drive

**Disk valve**

DN 50-80
PN 140-350 bar
Operation medium:
- petroleum and its products,
  natural gas, gas-condensate
Connection to pipeline:
- flanged
Tightness class:
- A according to EN 12266-1
Material type: A, S
Drive type:
- manual

**Bayonet valve**

DN 800, 1200, 1400
Pp 55 bar
Operation medium: natural gas,
Fire-explosive medium
Connection to pipeline:
- welded
Tightness class:
- A according to EN 12266-1
Material type: C, A
Drive type:
- manual

**Also, oil and gas equipment, designed for:**

- wellhead sealing, tubing hanger, monitoring and regulating the mode of wells operation,
- shutdown and directing the extracted products to the manifold, and conducting the necessary technological operations.
- wellhead equipment
- electric pumping wellhead assembly
- sucker-rod pumping wellhead assembly
- pressure valves

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