

# SERIE 18

## Knife gate valve Bidirectional - XDV

knife gate valve

- For water and air systems, waste water and depuration
- Chemical and food industry
- Suitable for viscous liquids or suspended solids
- Available from DN50 to DN1500
- Full flow
- Standard PN10 or ASA150 flanged
- Small dimensions, suitable for being installed between two counterflanges
- Suitable for regulation and shutting off
  - Possibility to install electric, pneumatic, manual and chain-operated actuators, extensions, limit switches and lever control.
- Self-cleaning
- Different seals available
- It is possible to install a conical deflector
- Available also in the square version

Standard external screw

internal screw on request

ISO 5210 flange

It allows to mount actuators when the valve is already installed on the system

AISI 303 standard columns

AISI 316 or sealed version on request

Seal adjustment screw

on the knife

It is possible to install a scraper

for the cleaning of the knife

The lack of cavity

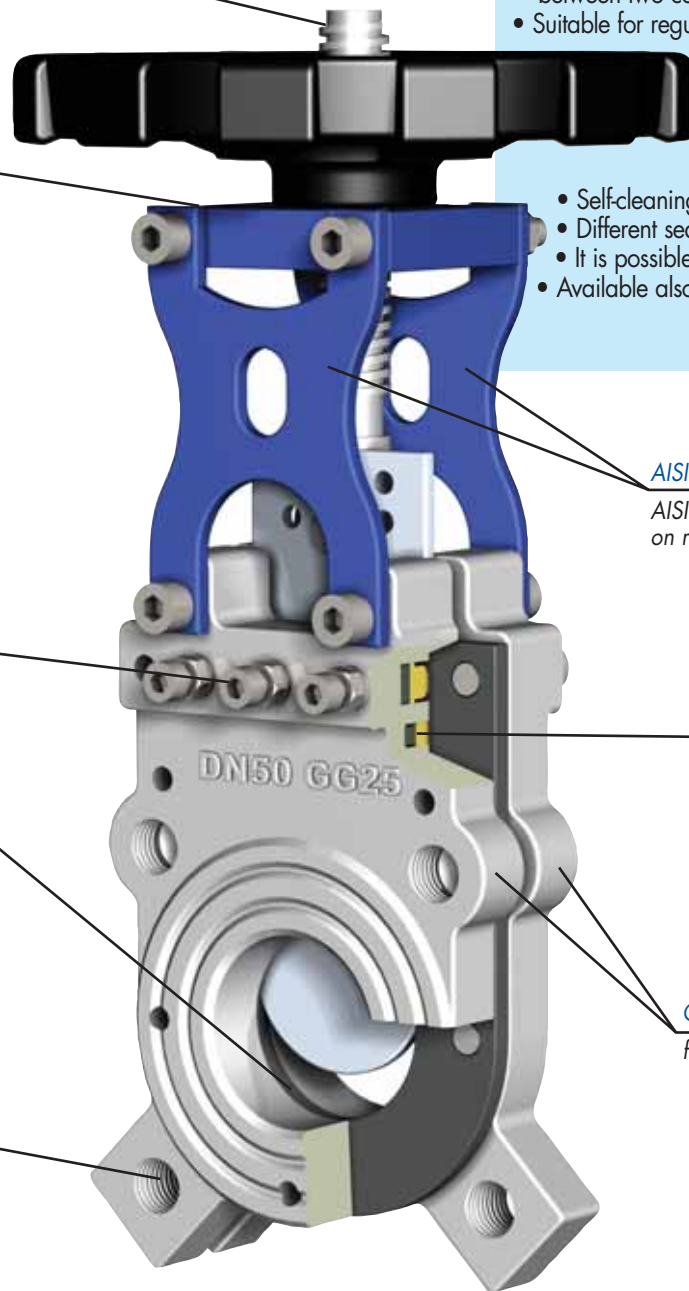
prevents the deposit of impurities

Construction in two halves

for an easier maintenance

Threaded flange holes

(LUG type)



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**Pressure:** from 0 to 10 Bar changeable according to DN (see last page list)



### available items

#### Art. 18.0

**body:**

**Ghisa GG25**

**gate:**

**AISI 316**

- For water and air systems

#### 18.000

- Seal: Butyl
- T° from -20 to 80°C

#### 18.001

- Seal: NBR
- T° from -20 to 110°C

#### 18.002

- Seal: Viton ®
- T° from -20 to 200°C

- Colour blue RAL 5017 epoxy

#### 18.003

- Seal: PTFE
- T° from -20 to 220°C

#### 18.006

- Seal: Metal/Metal
- T° from -20 to 300°C

#### 18.009

- Seal: EPDM
- T° from -20 to 100°C

#### Art. 18.4

**body:**

**WCB**

**gate:**

**AISI 316**

- For water, air and industrial systems

#### 18.400

- Seal: Butyl
- T° from -20 to 80°C

#### 18.401

- Seal: NBR
- T° from -20 to 110°C

#### 18.402

- Seal: Viton ®
- T° from -20 to 200°C

- Colour blue RAL 5017 epoxy

#### 18.403

- Seal: PTFE
- T° from -20 to 220°C

#### 18.409

- Seal: EPDM
- T° from -20 to 100°C

#### Art. 18.6

**body:**

**AISI 316**

**gate:**

**AISI 316**

- For chemical, industrial, food and aggressive fluids plants

#### 18.601

- Seal: NBR
- T° from -20 to 110°C

#### 18.602

- Seal: Viton ®
- T° from -20 to 200°C

#### 18.603

- Seal: PTFE
- T° from -20 to 220°C

#### 18.606

- Seal: Metal/Metal
- T° from -20 to 350°C

#### 18.607

- Seal: White silicon
- T° from -20 to 120°C

#### 18.609

- Seal: EPDM
- T° da -20 a 100°C

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### **Art. 18X6**

**columns:** **AISI 316**

*Available for all AISI body valves*

### **Art. 18.2**

**body:** **DUPLEX**

**gate:** **DUPLEX**

- For high temperatures, fumes

#### **18.256**

- Seal: Metal/Metal
- T° from -20 to 400°C

### **Art. 18.3**

**body:** **HASTELLOY**

**gate:** **HASTELLOY**

- For high temperatures, fumes

#### **18.376**

- Seal: Metal/Metal
- T° from -20 to 500°C

### **Art. 18.8**

**body:** **AISI 316 TI**

**gate:** **AISI 316 TI**

- For abrasive fluids

#### **18.835**

- Seal: Natural rubber
- from -20 to 70°C

#### **18.836**

- Seal: Metal/Metal
- T° from -20 to 350°C

#### **18.838**

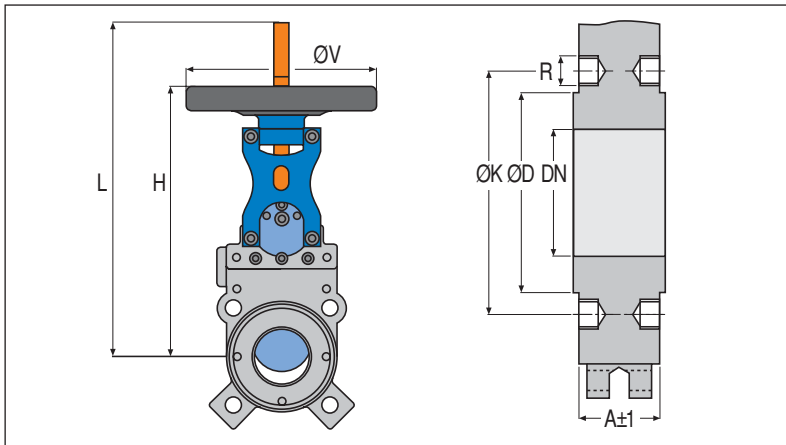
- Seal: Polyurethane
- T° da -20 a 65°C
- abrasion preventing

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### technical data



#### For more information ask for:

- head loss diagram
- installation instructions
- pressure temperature diagram
- material list

#### Dimensions (mm)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
<b>A±1</b>	43	43	50	50	50	60	60	70	80	80	90	90	95	105
<b>H</b>	255	281	312	355	389	491	592	690	817	912	1023	1142	1200	1386
<b>ØK</b>	125	145	160	180	210	240	295	350	400	460	515	565	620	725
<b>ØD</b>	100	120	135	158	188	212	268	320	370	430	482	532	585	685
<b>R</b>	M-16	M-16	M-16	M-16	M-16	M-20	M-20	M-20	M-20	M-20	M-24	M-24	M-24	M-27
<b>L</b>	291	357	385	467	533	634	785	933	1102	1261	1427	1572	1758	2045
<b>ØV</b>	175	175	225	225	225	300	300	300	400	400	400	400	600	600

#### Weight (Kg)

	7	8	11	13	15	24	35	55	67	120	135	205	225	300
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#### Pressure (Bar)

DN	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800
<b>Bar</b>	10	10	10	10	10	10	8	8	6	6	5	5	4	3	2