

WAFER STYLE KNIFE GATE VALVE

The **EX** model knife gate is an uni-directional wafer valve designed for general industrial service applications. The design of the body and seat assures non-clogging shut off on suspended solids in industries such as:

- Pulp and Paper
- Wastewater treatment plants
- Food and Beverage
- Mining
- Power plants
- Chemical plants
- Bulk handling
- etc.

Sizes: DN 50 to DN 1200 (larger diameters on request)

Working pressure:

DN 50 to DN 250:	10 kg/cm ²
DN 300 to DN 400:	6 kg/cm ²
DN 450:	5 kg/cm ²
DN 500 to DN 600:	4 kg/cm ²
DN 700 to DN 1200:	2 kg/cm ²

Standard flange connection: DIN PN 10 and ANSI B16.5 (class 150)

Note: other flange connections are available on request such as:

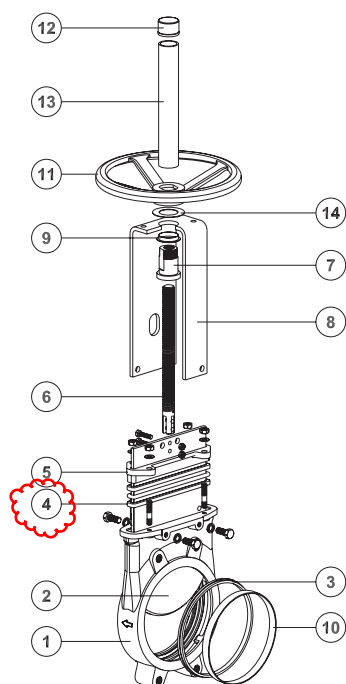
DIN PN 6	DIN PN 16	DIN PN 25
BS "D" and "E"	ANSI 125	

Directives: DIR 98/37/CE (MACHINES)

DIR 97/23/CE (PED) Fluid: Group 1(b), 2 (Cat. I, mod. A)

DIR 94/9/CE (ATEX) Group II, Cat. 3: zones 2 and 22

All valves are tested prior to shipping in accordance with the standard developed by the Quality Control Department at ORBINOX.



STANDARD PARTS LIST

Part:	Cast Iron:	Stainless Steel:
1- Body	GJL250 (GG25)	CF8M
2- Gate	AISI 304	AISI 316
3- Seat	Metal/Metal or EPDM	
4- Packing	Tallowed cotton (Both versions with a EPDM o-ring)	PTFE Impreg. Synth. Fibre
5- Gland	Aluminium (DN 50 to DN 300) or Ductile Iron (DN 350 a DN 1000)	CF8M
6- Stem	AISI 303	
7- Stem nut	Brass	
8- Yoke	Epoxy-coated Carbon Steel	
9- Collar	Nylon	
10- "A" ring	AISI 304	AISI 316
11- Handwheel	$\phi \leq 310$: Ductile Iron / $\phi \geq 410$: GJL 250 (GG25)	
12- Cap	Plastic	
13- Stem Protector	Epoxy-coated Carbon Steel	
14- Friction washer	Brass	