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- **Chinese TSG Certificate (Knife Gate Valves)**
- **Chinese TSG Certificate (Three Lever Valves)**
- **EN 14432:2014 (Tanks for the transport of dangerous goods)**
- **ACS Certificate of sanitary conformity**

MAIN STANDARDS

- **ISO 9001:2015**
- **ISO 14001:2015**
- **ISO 45001:2018**

INTRODUCTION

ORBINOX offers, supplies and certifies valves according to the information received from the customer. The customer is liable to make sure this information is accurate and according to specific working conditions requirements where the valve will be installed.

By default, this marking considers the use of these valves with industrial liquids. For other specific applications/services please contact with our technical office to evaluate marking requirements and availability.

EUROPEAN DIRECTIVES

- **2006/42/EC (MACHINERY)**

For automatised (with pneumatic, hydraulic or electric actuators) Knife Gate Valves

- **2014/68/EU (PED)**

Category (Directive 2014/68/EU)	Scope of valves
Category I – Module A → Self-certification	Valves upon order
Category II – Module D1 → Notified body surveillance plan	Valves upon order
Category III – Module B+F → Notified body surveillance plan	Valves upon order
Category III – Module H → Notified body surveillance plan	MP→ DN250-DN2400 MI→ DN250-DN1800

• **2014/34/EU (ATEX)** 

There are certain restrictions which shall be followed. Contact ORBINOX representative for availability of this certificate of your specific valve's requirement.

ATEX 0/20 Valves (Availability)

VALVE	SIZE
EX, EXT, EK, HK	DN 50 – DN 1200
CX	DN 200 – DN 900
XC	DN 50 – DN 600
TL	DN 50 – DN 1000
EB	DN 50 – DN 1200
TK	DN 80 – DN 600
ET, BT	DN 50 – DN 900
BC	150x150 – 2000x2000

ATEX 1/21 Valves (Availability)

VALVE	SIZES
3VY	DN 50 – DN 250
DAMPER ML	DN 200 – DN 3000
DAMPER DI	DN 200 – DN 3000
DAMPER PE	200x200 – 3000x3000
DAMPER GF	DN 500 – DN 3000
SLIDE GATES	CC, MU, MV, RB: 200x200 -6000x6000
ORBINOX PNEUMATIC CYLINDERS	Ø100 – Ø 300
KNIFE GATE VALVES	EX, EXT, EK, HK: DN 50-DN 1400 TL: DN 50-DN 1000 TK: DN 80-DN 900 TH: DN 300-DN 1200 VP: DN 50-DN 600 CX: DN 200-DN 900 EB (& Hera): DN50-DN 1600 KP: DN 80 ET, BT, EW, BR: DN 50-DN 900 VG: DN 50-DN 1200 WG, HG: DN 50-DN 1000 XC: DN 50-DN 700 BC: 150x150 - 2000x2000 CW: DN 80-DN 1000 HB, IB: DN 80-DN 600
3/4V	DN 80 – DN 300

ATEX 2/22 Valves specifications →Self-certification

Availability same as above for 1/21, plus SG (DN80-DN400)

Some considerations:

- Electrically, pneumatically and hydraulically operated valves must be subject to a conformity assessment of their own and also of the whole unit valve actuator to get EC Type Approval to ATEX Directive
- Hand operated and bare shaft valves have been subject to an ignition risk assessment. Even if they are out the scope of application of ATEX Directive some considerations shall apply:
 - Valves are suitable for ALL ATEX zones as long as valve guarantees full electrical conductivity. Some special arrangements shall be added to regular valves to comply with above statement
 - For installation and maintenance, same ATEX requirements for explosive areas shall apply

OTHER CERTIFICATES

- **Chinese Production License of Special Equipment**

- **Chinese TSG Certificate:**

EX, ET, XC, WS and EK Knife Gate Valves up to DN1200

Contact our ORBINOX representative for further information

- **Chinese TSG Certificate:**

MI and MP Three Lever Valves up to DN1800

Contact our ORBINOX representative for further information

- **EN 14432:2014** (Tanks for the transport of dangerous goods).

EX valves with GJS-400 and CF8M bodies and EPDM/FKM/NBR seat available. And BT valves with CF8M bodies and EPDM seats

Contact our ORBINOX representative for further information

- **ACS Certificate of sanitary conformity:**

EX stainless steel valve: from DN50 to DN1200

ET stainless steel valve: from DN50/2" to DN900/36"

Contact our ORBINOX representative for further information

MAIN STANDARDS

- **ISO 9001:2015**

- ORBINOX S.A.
- ORBINOX CANADA
- ORBINOX INDIA
- ORBINOX NINGBO
- ORBINOX CHILE

- **ISO 14001:2015**

- ORBINOX S.A.
- ORBINOX INDIA
- ORBINOX NINGBO
- ORBINOX CHILE

- **ISO 45001:2018**

- ORBINOX S.A.
- ORBINOX CANADA
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