



ORBINOX knife gate valves for biogas have been especially designed to assure the smooth handling of processes in a biogas plant in order to guarantee the conversion of organic residues in biogas or biomethane. These are processes where wear and tightness in general are critical.

The ORBINOX biogas valves are the result of years of research, development and testing, as well as of our experience in the most demanding applications. ORBINOX knife gate valves design of the body and seat assures non-clogging leak free shut off on suspended solids.

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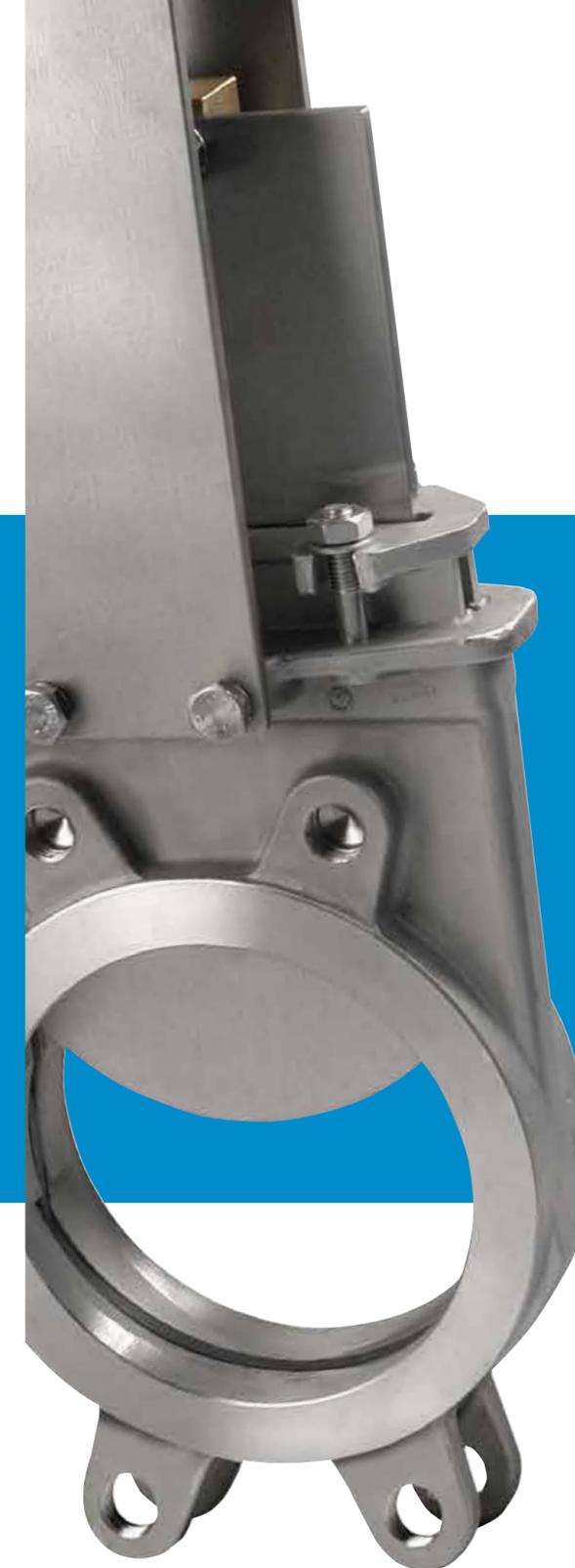
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Valves  
for biogas

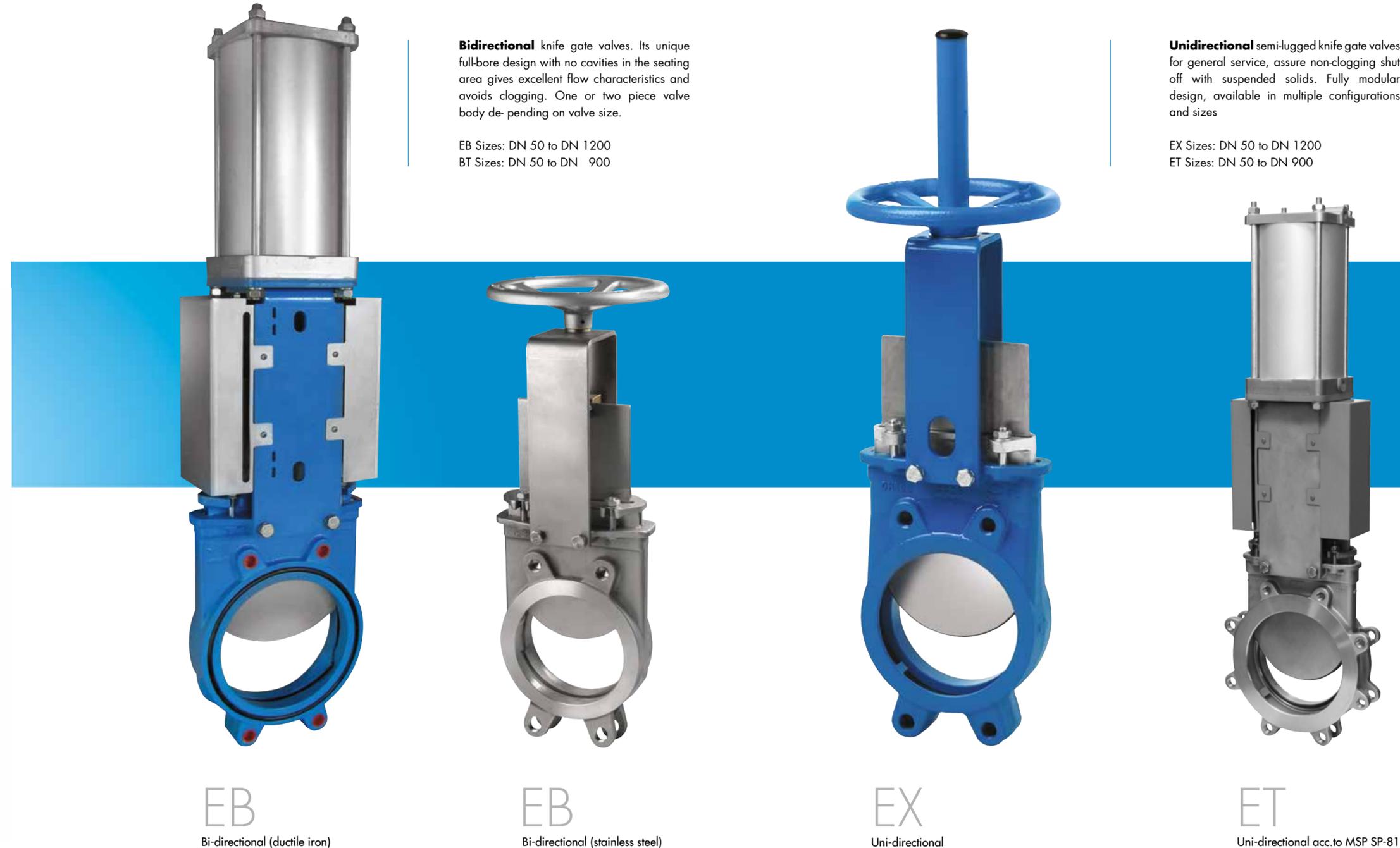
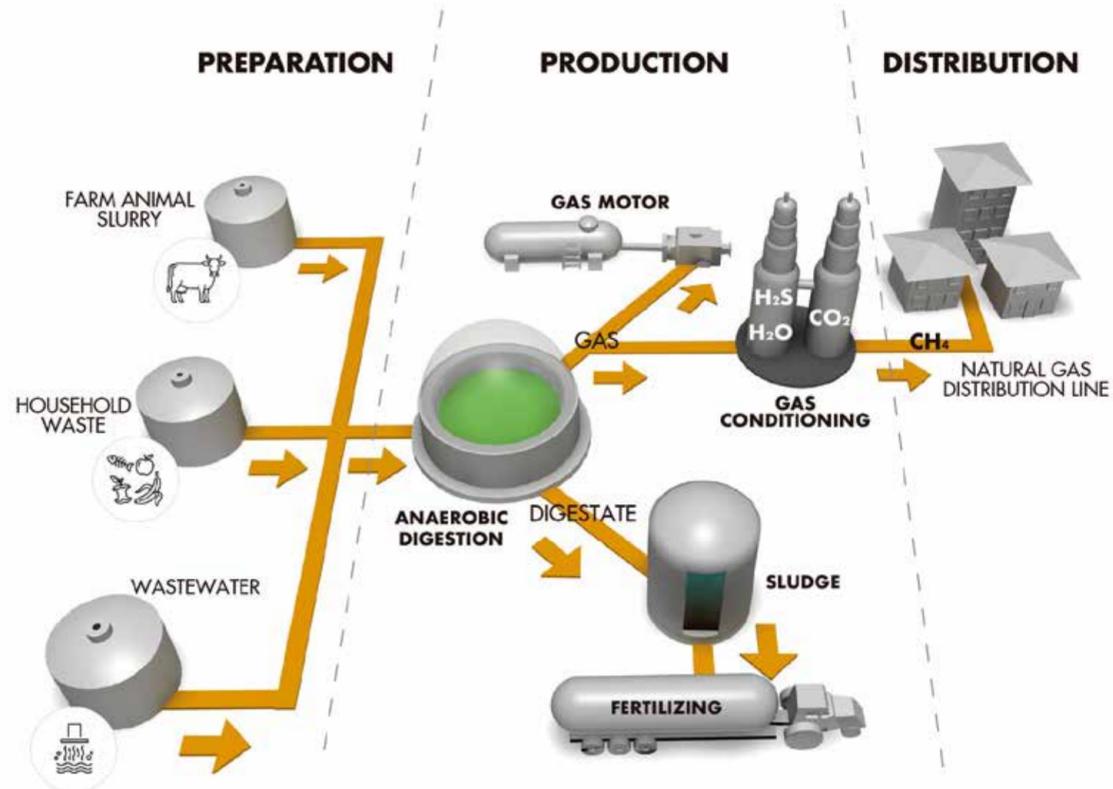
# Valves for biogas

ORBINOX is present in more than 70 countries with over 55 years of experience designing, manufacturing and marketing knife gate valves, penstocks, dampers, and valves for hydraulic works.

Product quality and customer satisfaction are our goals. We have a highly qualified and experienced team providing the best solutions to suit the needs of our customers. Our production plants are equipped with the most up to date machinery which combined with our modular product design and production-to-order system, allows us to be highly flexible with specifications and delivery times

ORBINOX valves for biogas are commonly used in substrate handling feeding and mixing in primary and secondary tanks:

- Substrate preparation
- Hot water storage
- Hygienization
- Fermentation
- Thermal hydrolysis processes
- Digestate handling
- Organic fertilizer
- Washing water



**Bidirectional** knife gate valves. Its unique full-bore design with no cavities in the seating area gives excellent flow characteristics and avoids clogging. One or two piece valve body depending on valve size.

EB Sizes: DN 50 to DN 1200  
BT Sizes: DN 50 to DN 900

**Unidirectional** semi-lugged knife gate valves for general service, assure non-clogging shut off with suspended solids. Fully modular design, available in multiple configurations and sizes

EX Sizes: DN 50 to DN 1200  
ET Sizes: DN 50 to DN 900

EB  
Bi-directional (ductile iron)

EB  
Bi-directional (stainless steel)

EX  
Uni-directional

ET  
Uni-directional acc. to MSP SP-81

## KNIFE GATE VALVES