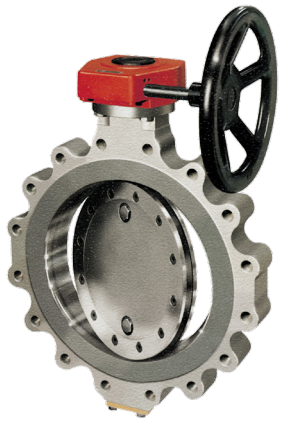
Pietro Fiorentini

BF 31



The **butterfly valve BF 31** is an interception device able to guarantee low pressure losses. It may be used also for intercepting liquids when a hermetic seal, low pressure losses and compact construction in the flow direction are required. Suitable for use with natural gas and previously filtered non-corrosive gases, it is mainly used in medium and low pressure gas distribution networks.

- LNG marine transportation
- Gas reverse-flow
- Power generation
- Gas engines
- Heavy industry
- Regasification
- District stations
- Medium/small industry
- Commercial users
- Residential users

Features	Values
Maximum working pressure	DN 300 ÷ 600 16 bar (UNI PN16) DN 300 ÷ 600 19 bar (ANSI 150 RF)
Working temperature	According to the sealing ring (see relevant tab.).
Fluids	Water, gas, compressed air, hydrocarbons
Nominal dimensions DN	DN 300 ÷ 600
Flanged connections	UNI PN16; class ANSI 150 RF

NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.

Table 1 Features

Pietro Fiorentini

Materials and Approvals

Part	Material
Body	P355NH EN10028-3
Butterfly	ASTM A516 Gr.70 + ENG (25 µm)
Stem	X16CrNi16-2 EN10088-3 (AISI 431)
Fixing screws for sealing ring	X5CrNi18-10 EN10088-3 (AISI 304)
Sleeve	Self-lubricating sleeve
Reinforced sealing ring	VITON NBR (on request only)

NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials