

GEMÜ 490 Series

PFA Lined Butterfly Valves



GEMÜ 490
Bare Shaft



GEMÜ 491
Pneumatic



GEMÜ 498
Motorized



GEMÜ 497
Manual

Utilizing a moulded PFA or PTFE body liner and a SS, Duplex or PFA lined disc, the GEMÜ 490 series Butterfly Valve is ideally suited to chemical and corrosive applications. From API pharmaceuticals to aggressive chemicals the applications are extensive. Integral to the corrosion resistance of the valve is its sealing capability which is designed around a high specification liner seal with rubber backing to the liner as well as an ultra-special design shaft seal system to prevent dangerous media leaks to atmosphere. A huge size range of DN40 to DN900, PN3/10/16 bar media rated and temperatures up to 200 degrees Celsius make the valve a high integrity workhorse for industry at a great price and super-fast delivery.

Construction

The GEMÜ 490 butterfly valve is lined with TFM™ (PTFE)/PFA to suit aggressive chemical applications. It is based on the design of concentric soft seal valves. The construction enables many possible combinations of disc, shut-off seal and body. Disc and shaft are one-piece. Different designs of body and shut-off seal are available. The wafer and lugged body versions are available in sizes DN 40 - 900 (1½" - 36").

Features

- Suitable for inert and corrosive* gaseous and liquid media in the chemical industry and in water treatment
- Seal material TFM™ (FDA 21CFR 177.1550)
- Installation length acc. to ISO 5752/20, EN 558-1/20, API 609 category A
- Top flange acc. to EN ISO 5211
- Max. operating pressure 6/10 bar
- Connection standards PN 10, PN 16, ASME B16.5 cl. 150, JIS 10K

- Leak test acc. to. EN 12266-1/P12 leakage rate A
- The butterfly valve complies with the safety requirements of Annex I of the European Pressure Equipment Directive 2014/68/EU for fluids of group 1 and 2
- ATEX compliant version for potentially explosive areas of group II, zones 0, 1, 2 (or 20, 21 and 22) available
- “TA Luft“ certificate (German Clean Air Act) available

For more information, [click here](#).