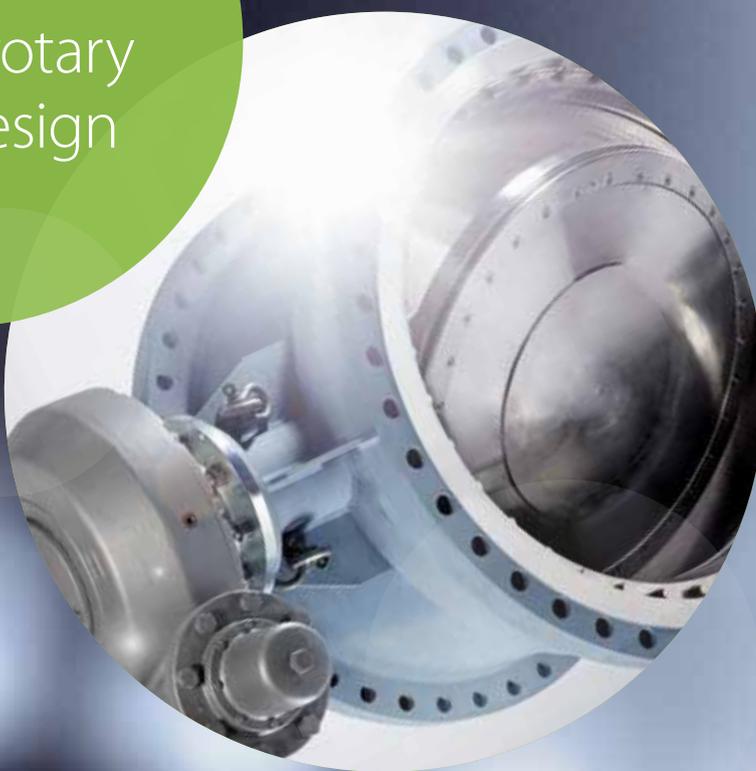


Mapag Mapabloc

Leading performance
for ethylene plants



Compact and
reliable rotary
valve design





Mapabloc DN1000 PN 25 Tiszaúvamos, Hungary

Double block and bleed sealing system for hydrocarbon and oxygen segregation

- Two sealing elements
- 100% fluid segregation
- Block function with steam
- Corrosion and abrasion resistance
- Cobalt based alloy sealing surfaces
- Smoothly shaped seat design
- Fire safe design
- Gate valve face to face length

Mapabloc for Ethylene plants

Today Mapag is one of the global leading high performance butterfly valves specialist. Mapabloc, high performance butterfly valve with double block and bleed sealing system, is developed for ethylene plants to optimize the design of the transfer gas and decoking gas line.

The patented double block and bleed sealing system has two sealing elements. The sealing elements are located on the shut-off disc and act independently. The sealing system is connected with two steam

connections. The first steam connection with continuous steam purging works in the valve open position to avoid any coke build-up in the seat area. The second steam connection acts as a block media in the valve closed position between the two sealing elements. This double block and bleed sealing system safely separates two media in the pipeline.

Mapabloc sizes from NPS 12 up to NPS 100 in pressure CL 150 and CL 300 and temperature range of -40 °C to + 580 °C. The valves are in service world-wide in various

ethylene plants as transfer gas line valves and decoking gas valves.

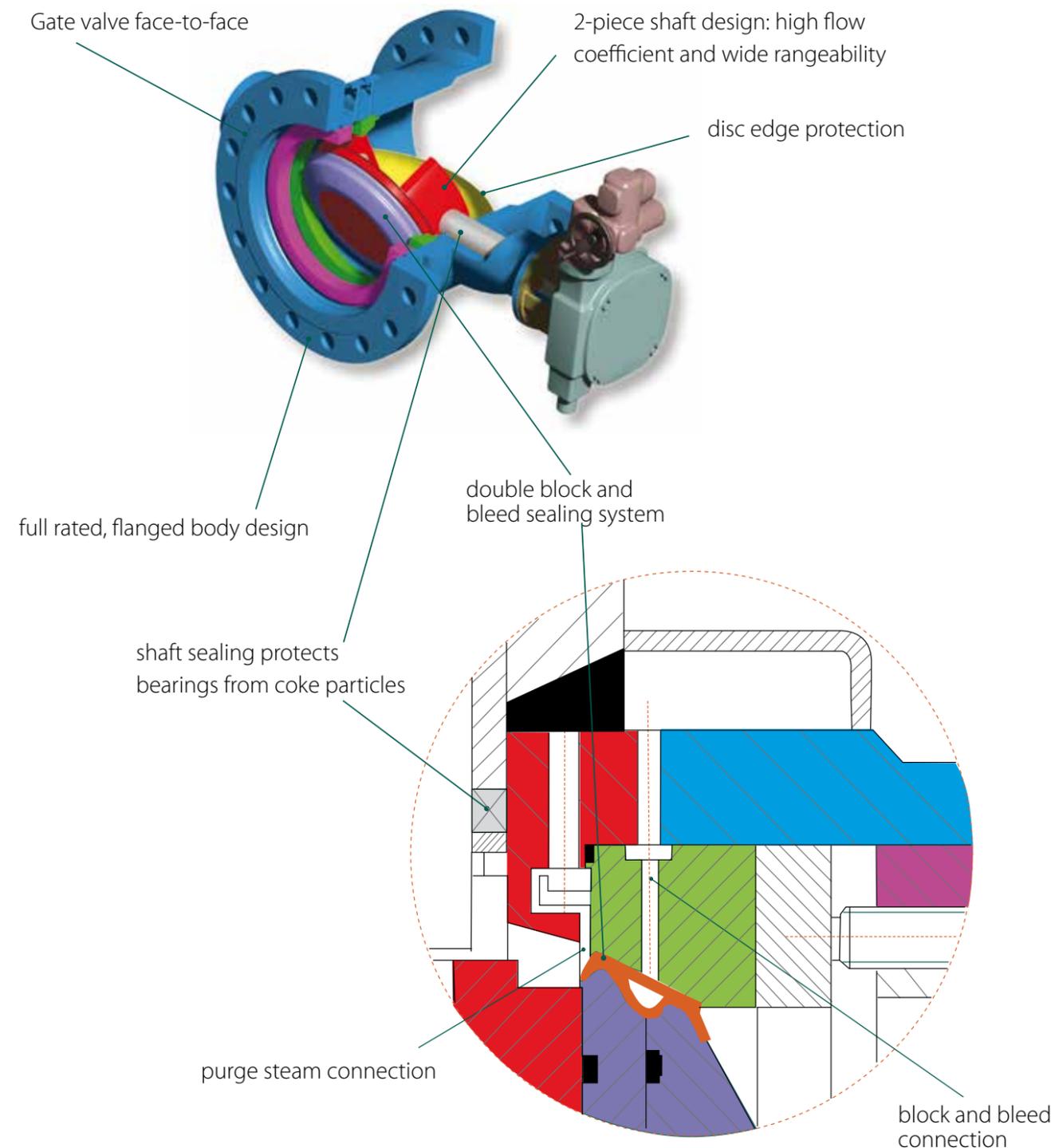
Design features

Size range	DN 300 to DN 2500	NPS 12 to NPS 100
Pressure range	PN 16 to PN 40	CL 150 to CL 300
Temperature range	-40 °C to 580 °C	
Body material	Carbon steel, low alloy steel	
Application	In ethylene plant transfer and decoking gas lines	
Tightness	Zero leakage, according to API 598 or according to project specific test procedure.	



Mapabloc butterfly valve, DN 1600, PN 25

Trip offset® design: no contact between seat disc in open or intermediate position



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