

# DELTA M4 / MP4

## ASEPTIC SINGLE SEAT VALVES

The DELTA M4 and MP4 aseptic single seat valves are designed for aseptic applications in the food, beverage, dairy, pharmaceutical, and chemical industries.

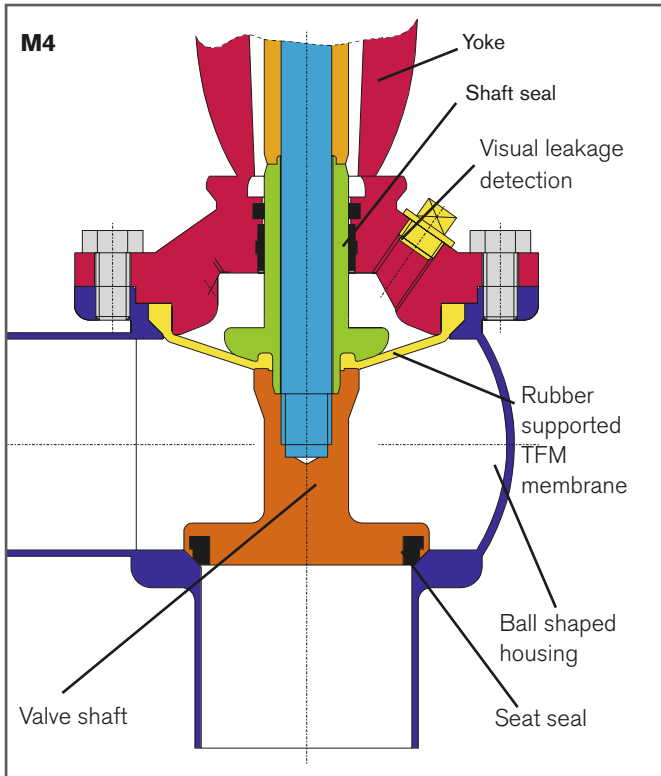
The DELTA M4 and MP4 valves are available in shut-off and change-over design and can be supplied as tankoutlet valves.

### Features and Benefits

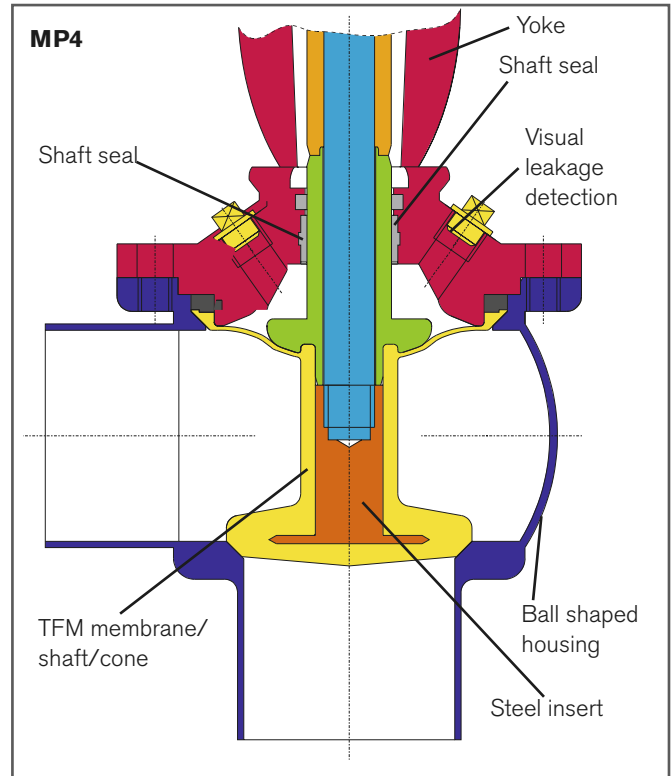
- **The flat membrane design ensures tight sealing.**  
*Retightening of the housing closures is not necessary – not even after many SIP cycles*
- **The sterile barrier has a long lifetime.**  
*Typically several hundred thousand strokes during normal operation – due to its material flexibility and low stress mechanical design*
- **Open geometry and easy accessibility without any dead areas or air pockets.**  
*Efficient sterilization*
- **Smooth surface of the membrane and the shaft unlike conventional below designs.**  
*Provides excellent cleanability without any dead areas. EHEDG approved.*
- **Ball-shaped housing**  
*Offers excellent hygienic characteristics.*
- **Leakage detection on the housing lid.**  
*Easy detection of any leakage across a damaged membrane.*  
**Option:** automatic detection
- **The DELTA M4 and MP4 valves are using the same actuator and control unit as the DELTA SW4.**  
*Thus the variety of components is kept at a minimum.*

SIZES	DN25, DN40, DN50, DN65, DN80 AND DN100 1", 1.5", 2", 2.5", 3" AND 4"
HOUSING CONFIGURATIONS	M4: M41(L), M42(T), ME41(KLL), ME42(KTL), ME43(KLT), ME44(KTT), ES45(LLS), MT41(L*), MT42(T*) MP4: MP41(L), MP42(T), MPE41(KLL), MPE42(KTL), MPE43(KLT), MPE44(KTT), MPT41(L*), MPT42(T*)
PRODUCT PRESSURE	5 BAR. OTHERS ON REQUEST
STERILISATION TEMPERATURES	140°C EPDM, HNBR (SHORT TIME) 150°C EPDM, 140°C HNBR
AIR SUPPLY PRESSURE	MIN. 6 BAR MAX. 8 BAR
PRODUCT WETTED PARTS	AISI 316L (1.4404)
SEAL MATERIALS	SEAT: EPDM AND HNBR MEMBRANE: TFM





**M4** – A rubber supported, flat TFM membrane.



**MP4** – TFM membrane, shaft and cone all in one piece. Especially suitable for applications where additional elastomer seals are not allowed, e.g. pure water, cosmetics, etc.



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