### Innovative solutions for advanced safety with plastic valve designs

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à Corrosion

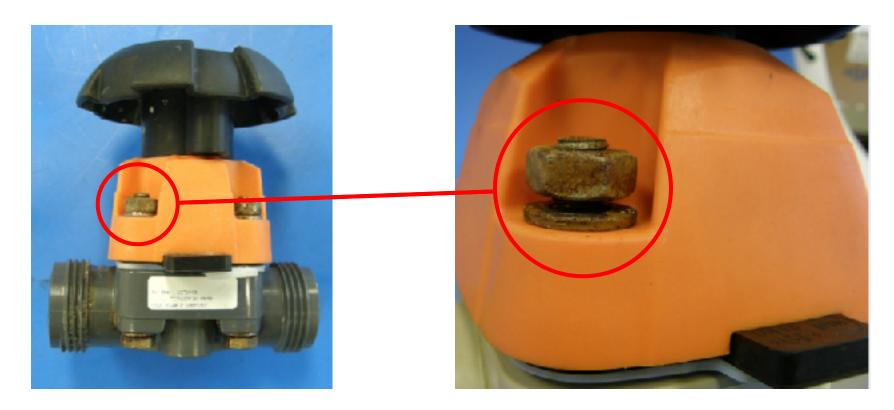
## US\$2.5 trillion\*

Global cost of corrosion

\* [Source: NACE International]

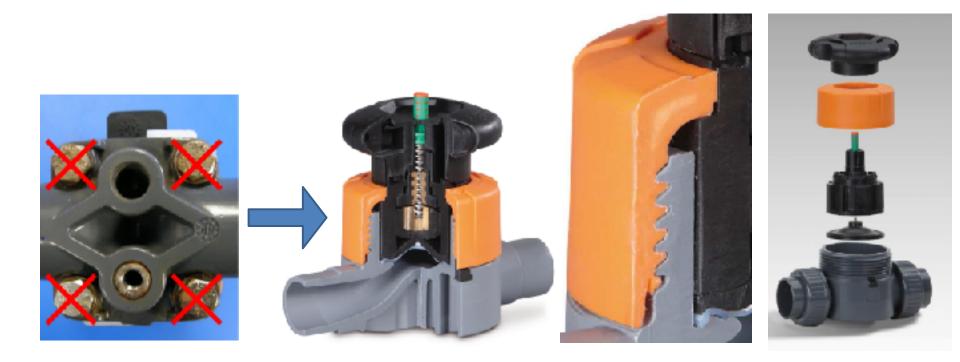


#### à Corrosion





#### à Corrosion resistant solutions





#### à Corrosion resistant solutions



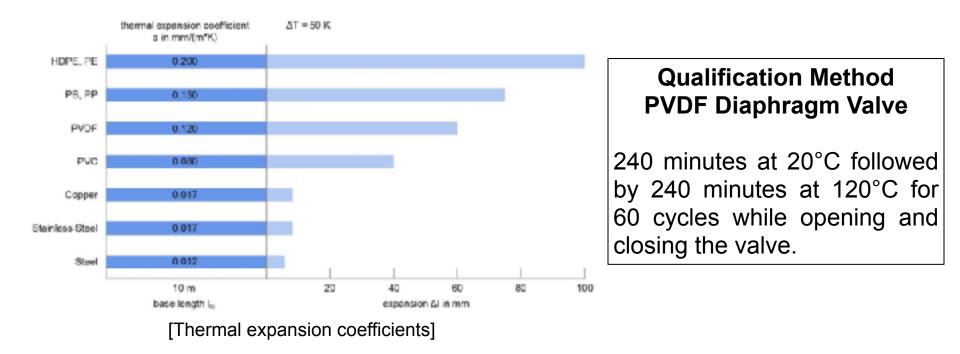








#### à Metal screws vs. Temperature Cycles = additional costs



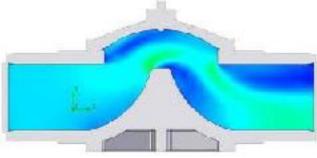


#### Innovative solutions with plastic valve designs

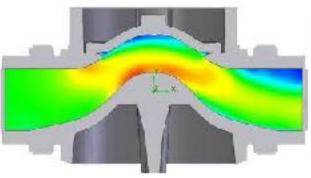
à Flow-optimized valve design offers an increased flow rate of more than 50%







[Conventional design]



[New innovative design]



#### à Operating- / installation error



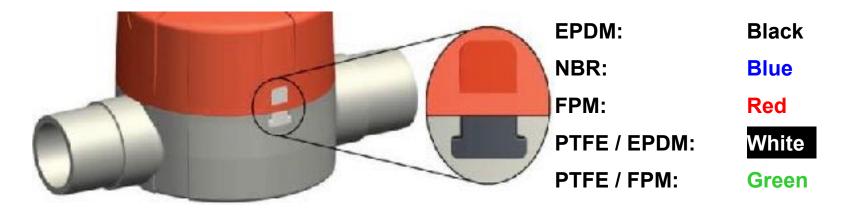
[Injection-molded flow arrow to indicate direction of flow]



[Injection-molded direction arrow on valve housing to indicate pressure increase / decrease adjustment]



#### à Clear product information







#### To sum up ...

Valves can be designed tailored to plastic to achieve advanced safety and added value

- Maximum corrosion protection
- Safe operation with high cycle numbers
- Reduced maintenance costs
- High user friendliness

#### Since plastic valves have a very young age, the best is yet to come...



