



# 2002 TA Luft\*

# Technical Guideline for Clean Air


\* effective since 1 October 2002

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held on  
Achema 2006



Source → <http://www.bmu.de>



Bundesministerium  
für Umwelt, Naturschutz  
und Reaktorsicherheit



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- ▷ Kurzinfo
- ▷ Sitemap
- ▷ Pressemitteilungen
- ▷ Downloads
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**PDF**  
TA Luft  
807 Kbyte

**PDF**  
Begründung  
228 Kbyte


**Amendment to TA Luft**

**Initial general administrative regulations for the Federal Immission Control Act (Technical Guideline for Clean Air or TA Luft)**

Following a proposal by the Federal Minister for the Environment Jürgen Trittin the Federal cabinet passed on 26 June 2002 the new Technical Guideline for Clean Air (TA Luft), adopting the provisions passed by the Federal Council on 26 April 2002. The new TA Luft was published on 30 July 2002 in the Gemeinsames Ministerialblatt and therefore came into force on 1 October 2002.

The new Technical Guideline for Clean Air supersedes the TA Luft from the year 1986. The 2002 TA Luft again provides the authorities with a modern clean air instrument that at the same time consolidates legal security and therefore planning reliability for the approval of installations. It embodies the requirements that must be observed for the approval of industrial and commercial installations by the competent environmental inspectorates. This helps both the authorities and the economy and serves to protect the environment.

Like the old TA Luft of 1986 the 2002 TA Luft too has an immission and an emission section. **etc.**



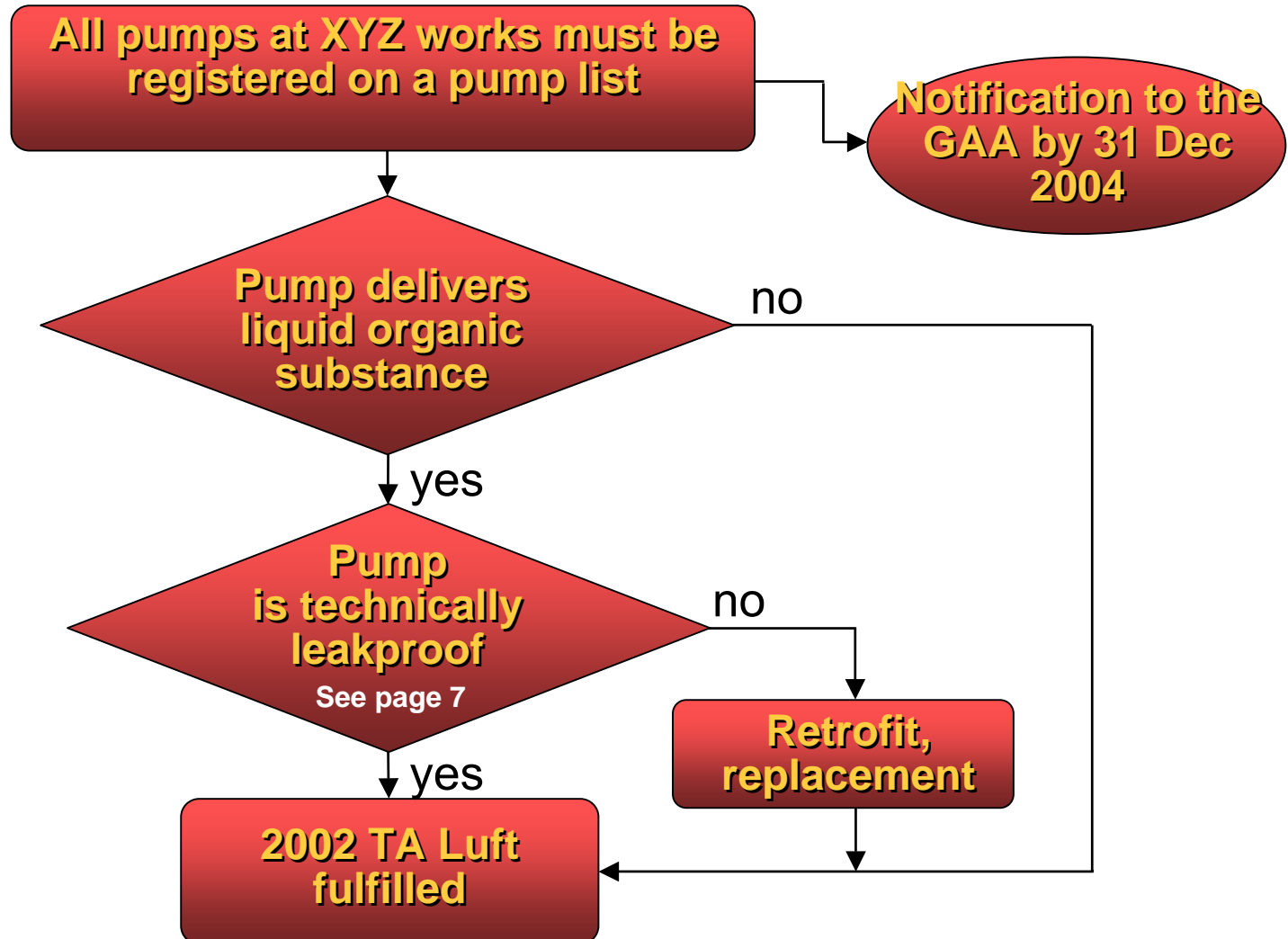
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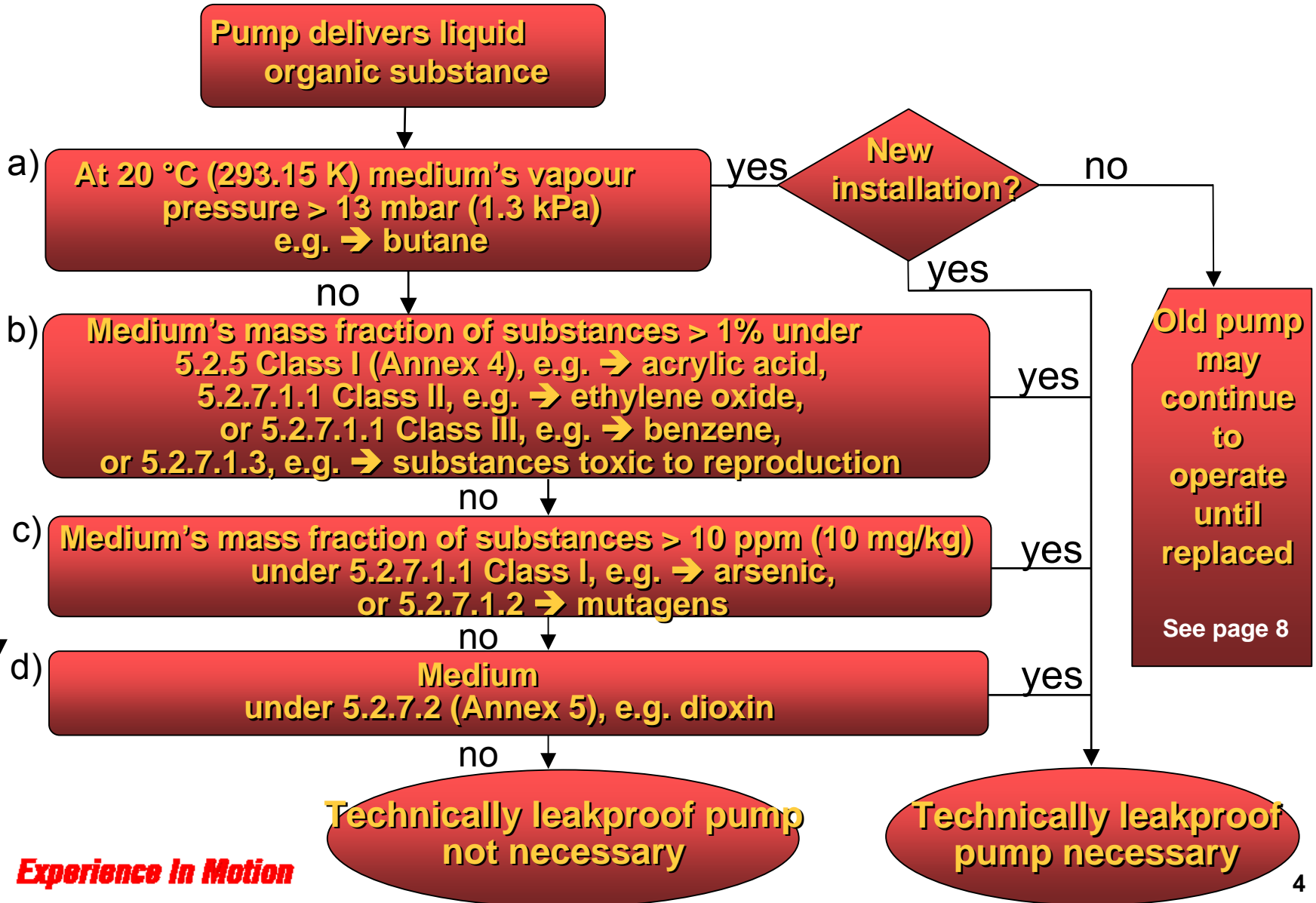
# 2002 TA Luft Pump Classifications



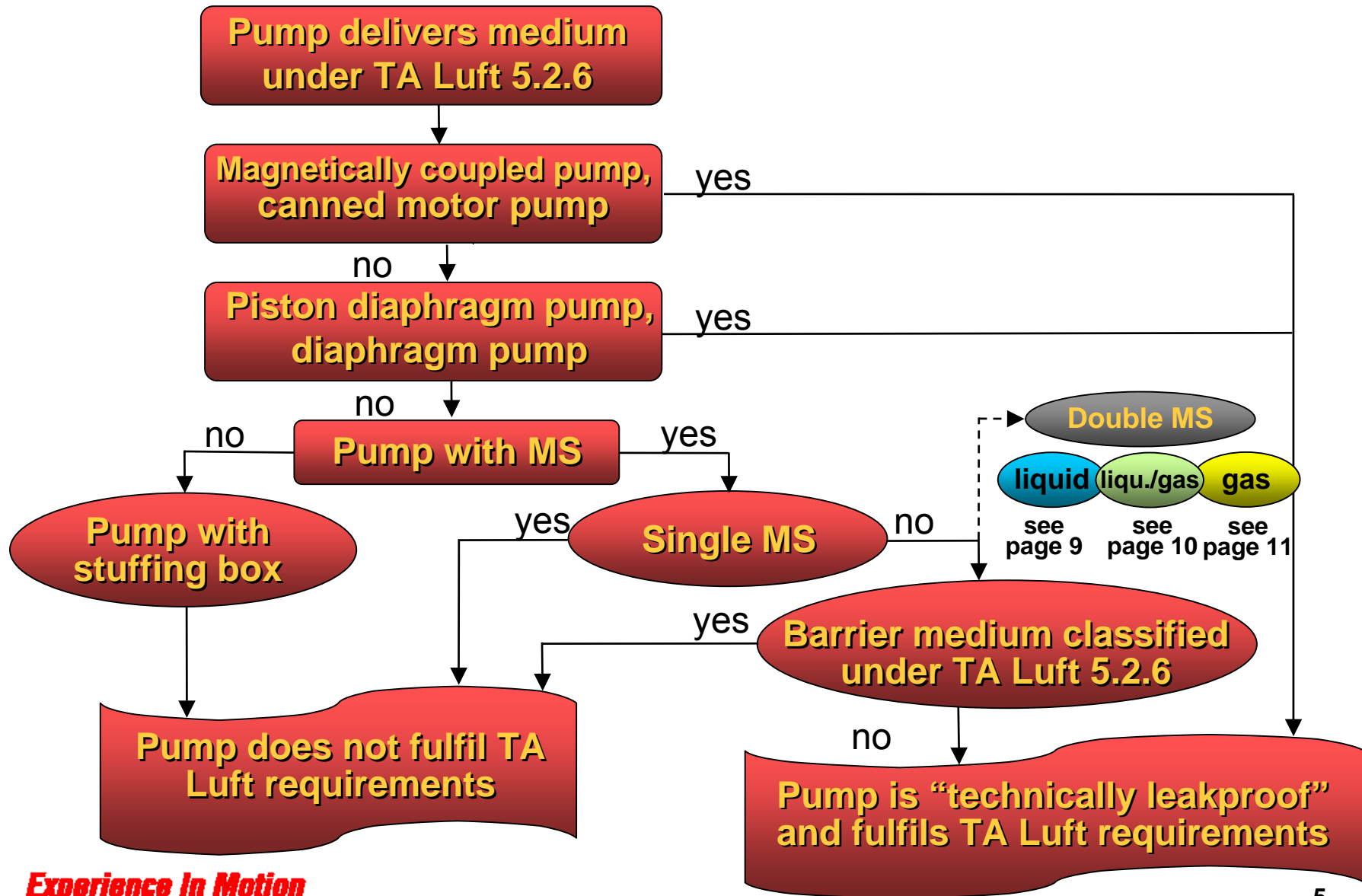
# TA Luft 5.2.6 Pump Classifications



ASCENDING  
ORDER



# When is a Pump “Technically Leakproof”?





# Appendix





## 2002 TA Luft → Section 5.2.6.1 Pumps, page 63

The pumps used must be technically leakproof, e.g. canned motor pumps, pumps with magnetic coupling, pumps with multiple mechanical seal and quench or barrier medium, pumps with multiple mechanical seal and atmospheric-side dry seal, diaphragm pumps, or bellows-type pumps.



## 2002 TA Luft → Section 5.2.6.1 Pumps, page 63

Existing pumps for liquid inorganic substances under 5.2.6 a) that do not exhibit any of the characteristics under b) to d) and do not fulfil the requirements under Para. 1 may continue to operate until replaced with new pumps. Once these administrative regulations have come into effect the competent authority should request an inventory and monitor the ongoing replacement of pumps and the maintenance work until the pumps are integrated in operations monitoring.



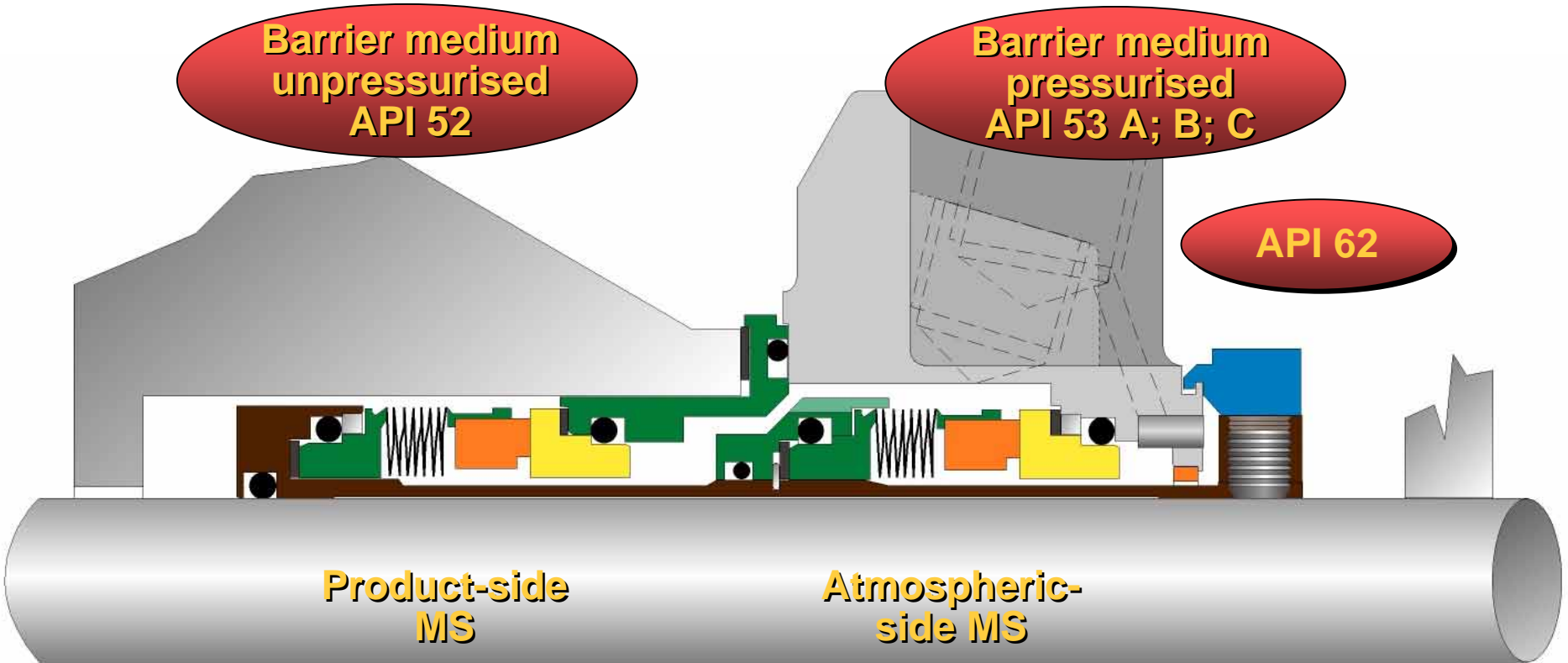


**Liquid-lubricated  
Cartridge Double Seal, e.g. ISC**

**Barrier medium  
unpressurised  
API 52**

**Barrier medium  
pressurised  
API 53 A; B; C**

**API 62**

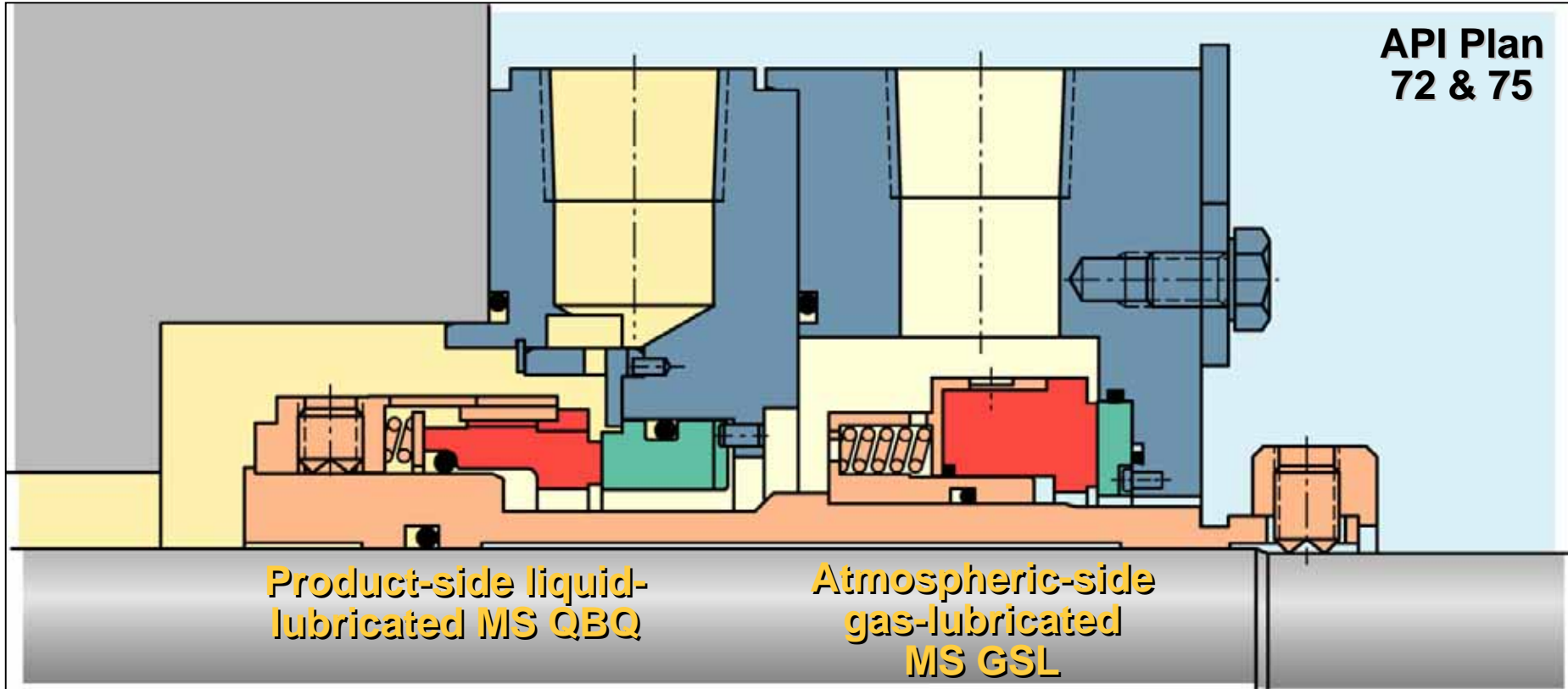


**Product-side  
MS**

**Atmospheric-  
side MS**



# Liquid-/gas-lubricated Cartridge Double Seal QBQ/GSL



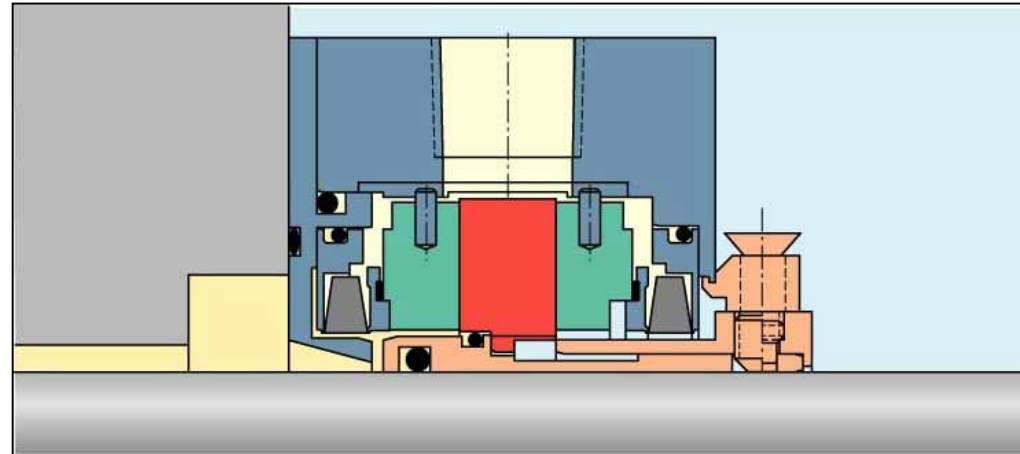


# Gas Seals for Pumps

## API Plan 74

### GX-200

- Face-to-face diaphragm bellows mechanical seal



APG groove technology



### GF-200

- Back-to-back pusher (spring-loaded) mechanical seal

