

High Purity Products

Product overview and technical data





HIGH PURITY VALVES - THE VALVES WITH PURITY "DESIGNED IN"

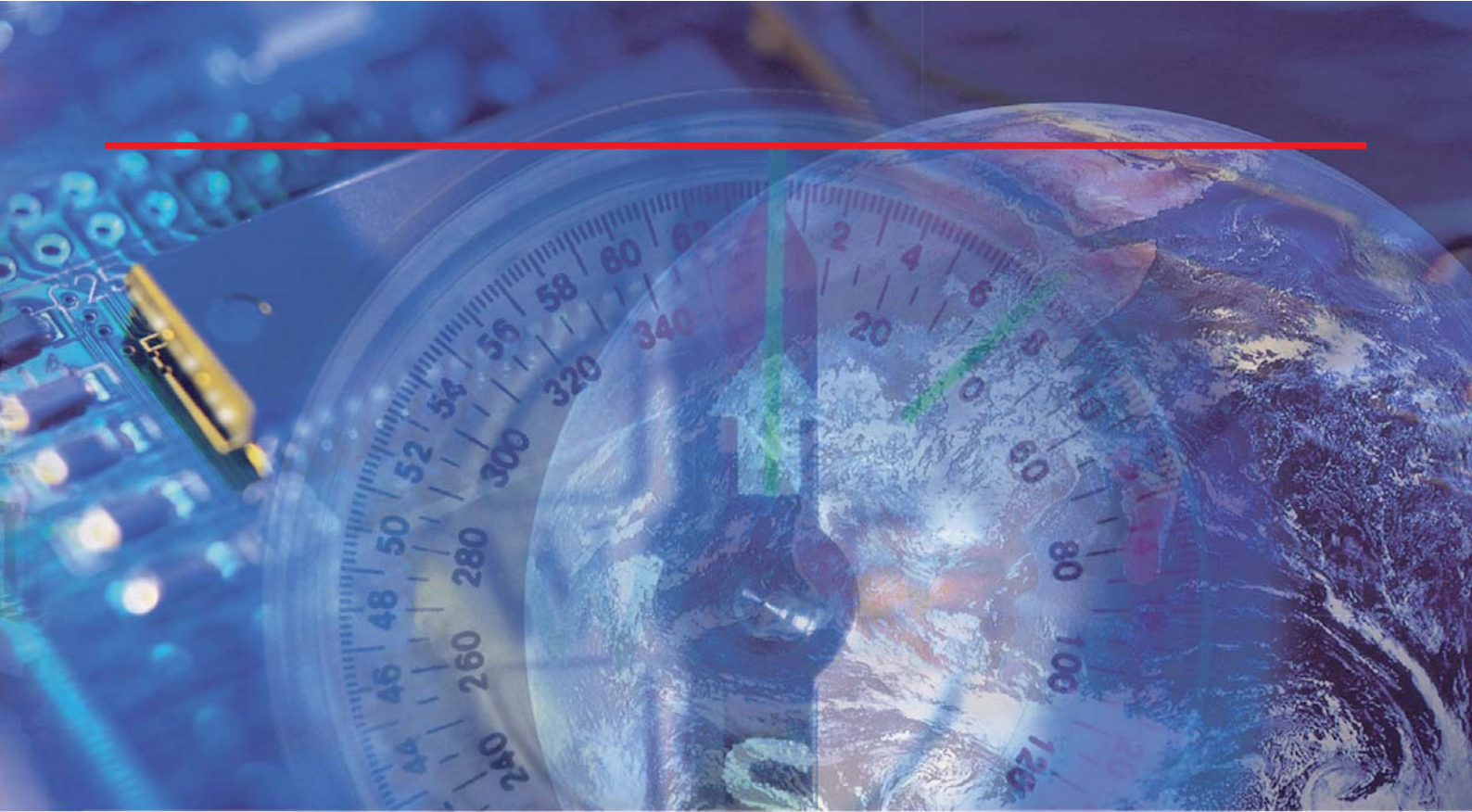
With our high purity products we have ventured into a dynamically growing future market.

An industry which only recognizes the "global player" and which requires the purest materials in order to be able to produce the highest quality integrated microchips. These materials have to be free from impurities and metals even in their molecular structure. This generation of products which have been specially developed for applications in the semiconductor industry, were successfully introduced to the semiconductor market under the brand names of GEMÜ **CleanStar**®, GEMÜ **FlareStar**®, GEMÜ **TubeStar**®, GEMÜ **CleanStar**® **SonicLine**®, GEMÜ **pureplus**® and GEMÜ **CleanStar**® **HydraLine**®.

Pictures:

1. Assembly in the cleanroom manufacturing department at GEMÜ Switzerland
- 2 + 3. **CleanStar**® PFA range
4. **HydraLine**® PFA transmitters
5. **FlareStar**® PFA tube fittings
6. **pureplus**® High Purity PVDF and PP valves
7. **TubeStar**® High Purity PFA Tubing
8. **SonicLine**® PFA Ultra-Sonic Flow Measurement Devices





PIONEERING DESIGN: HOW TO PRODUCE SOPHISTICATED PRODUCTS OF FLAWLESS QUALITY!

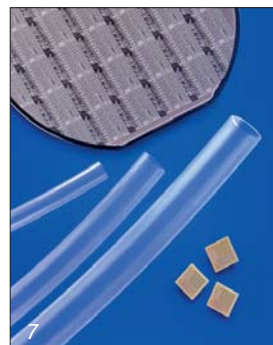
In order to manufacture products for high purity applications, appropriate high quality cleanroom production conditions must be available.

The need for high technical expertise and investment is the reason why the number of manufacturers of such high tech products is very limited, yet the world manufacturing base in which cleanroom technology is used increases almost daily.

GEMÜ cleanroom production takes place at Rotkreuz in Switzerland where **CleanStar**[®], **FlareStar**[®] and **HydraLine**[®] products are injection moulded, cleaned, assembled, tested and packed under cleanroom conditions.

Since 1988 GEMÜ has had experience in the production of high purity valves, actuators and control systems and has excellent references in the semiconductor industry. GEMÜ high purity products are developed and produced especially for use in process equipment, supply systems for ultra pure chemicals and ultra pure water treatment and distribution plants for microchip production.

With these products we offer our customers a complete high purity PFA, PVDF and PP range of components for critical fluid management. GEMÜ continually sets new standards in High Purity products.





GEMÜ® VALVES, MEASUREMENT
AND CONTROL SYSTEMS

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG · Fritz-Müller-Str. 6-8 · D-74653 Ingelfingen-Criesbach · Tel. +49 (0) 7940/123-0 · Telefax +49 (0) 7940/123-224
info@gemue.de · www.gemue.de