



Destructive testing

- Tension- and pressure test
- Impact test
- Hardness test
- Corrosion test
- Micrographic examination
- Abrasion test



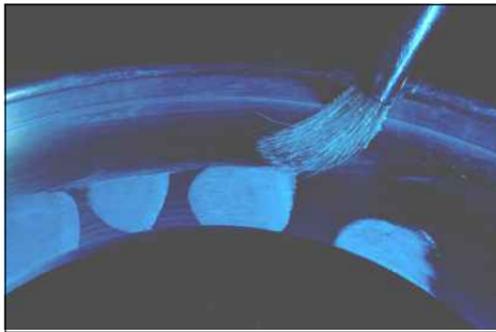
Heat treatments

- after welding to stress
- relief heat treatment
- with electrical oven
- or rather chain-annealing



Non-destructive examination

- Visual examination VT
- Radiographic test RT
- Dye Penetrant test PT
- Magnetic powder test MT
- Ultrasonic testing UT
- Leak tests LT
- Coating test



Oil- and grease free cleaning

- for the application of oxygen according to UVV VBG62, leaflet M34 BGC and customer's specification



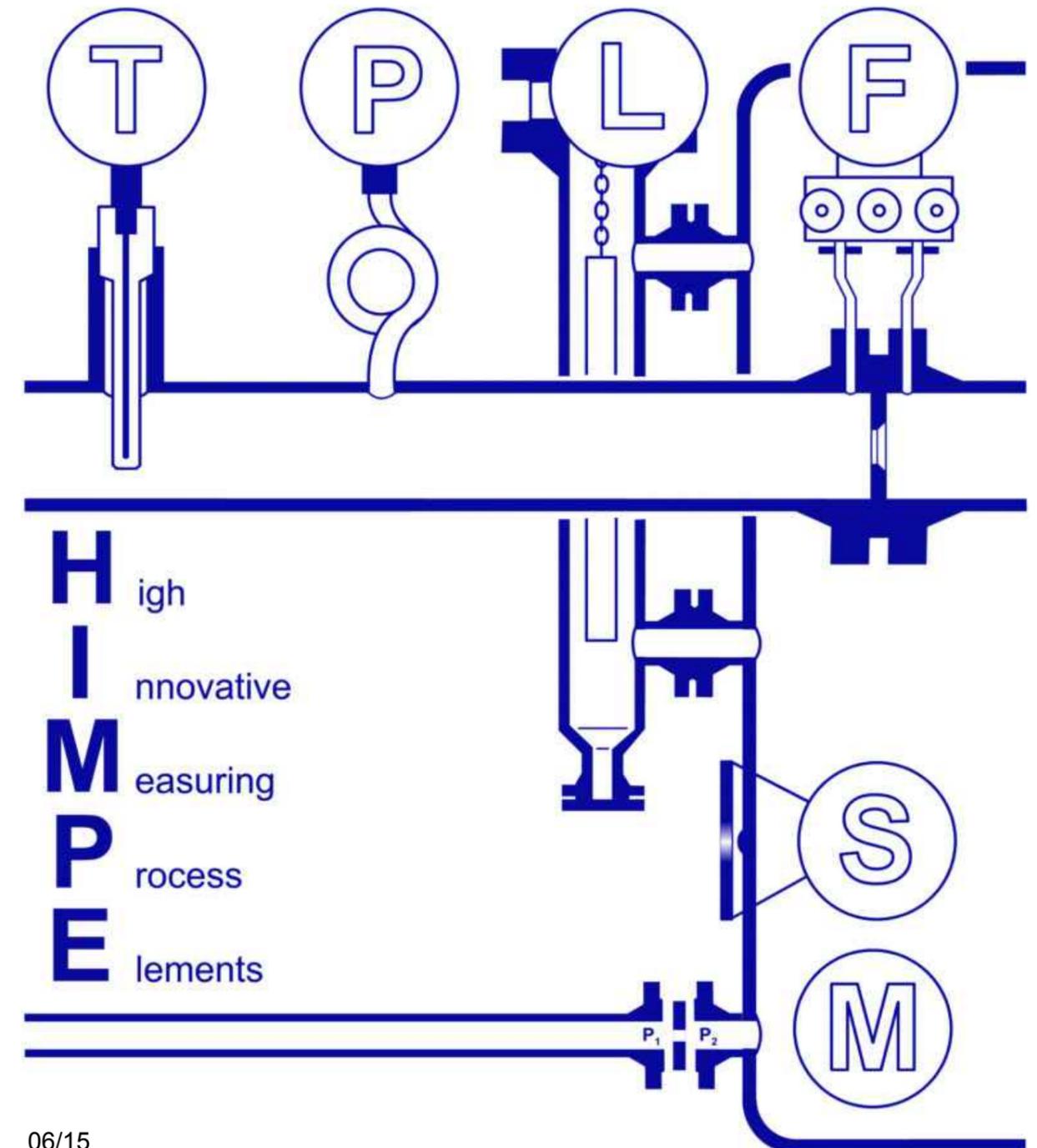
Calibrations

- Length
- Pressure
- Flow
- Temperature

Gauging department for primary devices according to ISO 5167

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OUR SPECIALITIES

When the important thing is to measure the temperature, pressure, level and the rate of flow of liquid, vapourised and gaseous substances in pipes and tanks, our products have been used for many years.

With our high-quality equipment, we are able to offer a professional solution for every application and technical process problem in power generating stations, refineries, chemical plants etc.

Primary measuring instruments supplied to the users` specific requirements are the first essentials for reliable measurements.



Extract from our raw stock-list

Carbon-steels	(1.0305, 1.0460, 1.0425,...)
Low-temperature steels	(1.1106, 1.5637,...)
High-temperature steels	(1.5415, 1.7335, 1.7380,...)
Heat-resistance steels	(1.4903, 1.4901, 1.4922,...)
Corrosion-resistant	(1.4301, 1.4306, 1.4401, 1.4404)
High quality steels	1.4462, 1.4539, 1.4571,...)
Heat-resistance steels	(1.4762, 1.4841, 1.4876, 1.4878,...)
Special steels:	Monel, Hastelloy, Incoloy, Inconel, Titanium, Nickel, Tantalum, Zirconium, Molybdenum, PVDF, PTFE ...

Calculation

- thermowell calculation based on ASME PTC 19.3
- FlowCal - flow calculation by DIN EN ISO 5167
ISO/DTR 12767
ISO/TR 15377
ISO 5168
- sound level calculation

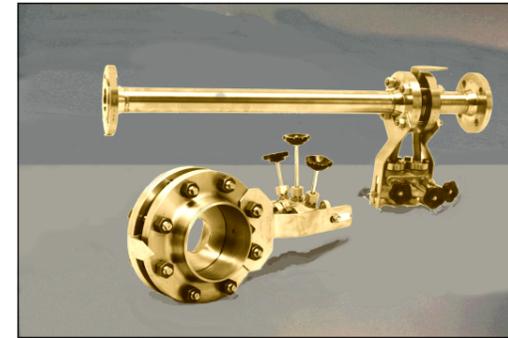
Thermometer Protection Tubes

- for electrical and mechanical transducers,
- of all metallic materials, including sheath and coatings
- including accompanying measurement sensors and transmitters



Pressure Vessels

- conforming to DIN and customers` specification
- of all materials
- for all pressure stages
- capacity up to 1m³ (220 Imp. gallons)
- especially condensating pots
float level switch vessels and
reference vessels for displacement-
submersibles for measuring
liquid levels



Flow Controllers

- conforming to DIN 19205 and 19214
- in all structural shapes
- as one-piece standard diaphragm,
circular chamber diaphragm
- as measuring section and orifice flange
- in standard version and version suitable for
calibration conforming to PTB 7-2
- of all materials
- for all pressure stages and in all nominal widths
from DN 4 to DN 1000



Orifice Plates for Insertion

- of all materials
- for all pressure stages
- in all nominal widths up to DN 2000
- all types of leakproof surfaces
- alternatively as segment diaphragm
quarter nozzle
Conical entrance orifice plate
Eccentric orifice plate



Welding Flow Controllers

- for pipework with official approval
- as standard diaphragm, standard nozzle
venturi nozzle or venturi tube
- for all pressure stages
- nominal widths up to about DN 1000
- of all materials, especially of high-temperature
materials, suitable for use in power constructions



Assembly parts

- Set-up of measuring instruments for vapours,
gases and liquids
- of all materials, especially of high-temperature
materials for use in power constructions
- for all pressure stages