FISCHER Mess- u. Regeltechnik GmbH
Bad Salzuflen,Germany

RKG

Regulátory a kompenzátory spol. s r.o.
Severní 865
CZ-25064 Hovorčovice

Exklusivní distributor FISCHER pro ČR, SR, HU a AUT

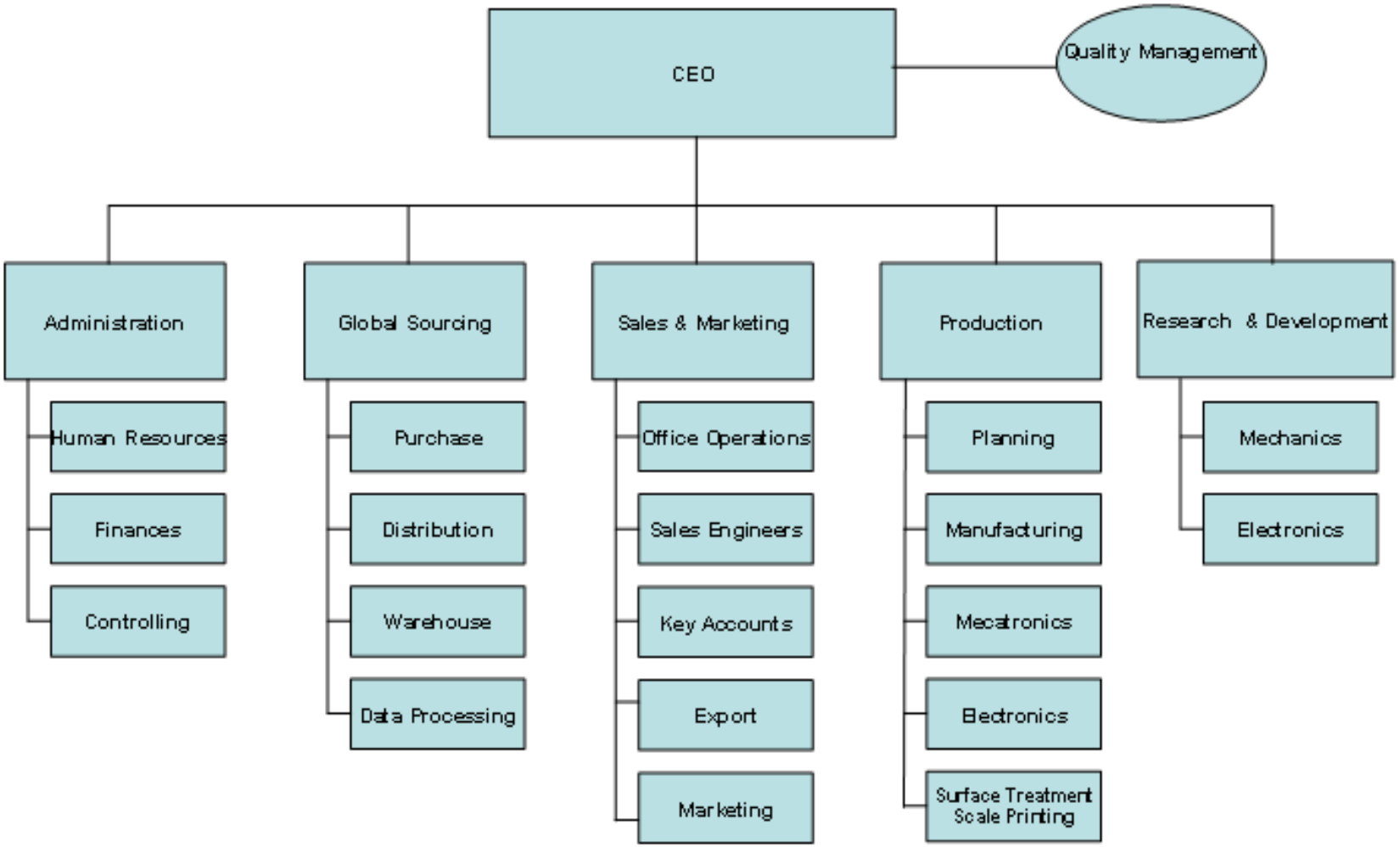
Presentation of FISCHER Company

Facts

- Established in 1950
- Familiy owned and managed company
- Budget 2014 – 18,8 Mill € turnover
- 135 employees
- 10% of annual turnover to R&D
- 60% customized solutions
- Distribution worldwide
- 14 Agencies abroad
- Sales area approx. 50 countries worldwide

FISCHER MESS- UND REGELTECHNIK

Organization



Milestone

1950 **Established by Mr. Klaus FISCHER in Exter, small town of Bad Salzuflen**

Repair of contact manometers, reconstruction and improvement of contact devices

1952 **Relocation of company into a larger production site**

Extension of machinery and delivery programm: dental measurement and X-ray testing instruments/ regulator, automatic solenoid valves and diaphragm valves

Milestone

1971 **New production facility, Bielefelder Strasse 37a, D-32107 Bad Salzuflen)**

Contact complete assemblies, development of electronic amplifiers, signal converters and switching devices

1975 **Co-operation with Hoechst AG**

Colouring lab instruments, instruments for colour fastness testing and dosing pumps for the textile-finishing sector, EX- valves solenoid and special products for hazardous areas *??????????????????prüfen*

Performance and Advantages

- Standard components for measuring and control technology
- Developing and production of customer specific components and special solutions
- Various approvals (DIN EN ISO 9001:2008 / KTA 1401 / GOST-R / ATEX / SIL) and certificates
- Comprehensive documentation (for e.g. data sheets / download center / parameterization software available at www.fischermesstechnik.de)

2.1 Performance and Advantages

OEM „Original Equipment Manufacturer“

Preparing Engineering → Development → Prototyping → Approvals → Release → Series

Process Optimization

Reducing of operation costs by detection of leakages and reduction of losses

Why FISCHER

- ✓ More than 60 years experience
- ✓ Quality „Made in Germany“
- ✓ Modern manufacturing technologies
- ✓ Wide range of know how
- ✓ Specialised customer solutions
- ✓ Trained employees
- ✓ Excellent service
- ✓ On-schedule delivery
- ✓ International activities

FISCHER References

List of References

- Power Plants: RWE, E.ON, Alsthom, Taprogge, Siemens, Vattenfall
- Boiler: HTT, HTI, Intec, Standard
- Combined Heat and Power (CHP): MWM, Haase, Jenbacher
- Plant Operator Clean rooms, Semiconductor: Heidenhain, Infineon, AMD, Solarworld, Q-Cells
- Engineering for Pharmaceuticals, Semiconductors, Clean Rooms, General Buildings: Siemens, JCI, Siegle + Epple, Caverion, Meissner + Wurst, Lufft, Wisag, ABB, Sauter, Imtec
- Plant Engineers-Pharmaceuticals, Semiconductors, Clean Rooms, General Building: Meisner, LSMW, CRC, LUWA
- Filter Units: Mahle, Hydac, Boll & Kirch
- Industrial Gases: Messer Group, WIKON, TMG, Linde
- Finish / Coating: Dürr, Eisenmann, Heimer, Rippert, Langbein + Engelbracht
- Gear Manufacturer: Flender (Siemens)

List of References

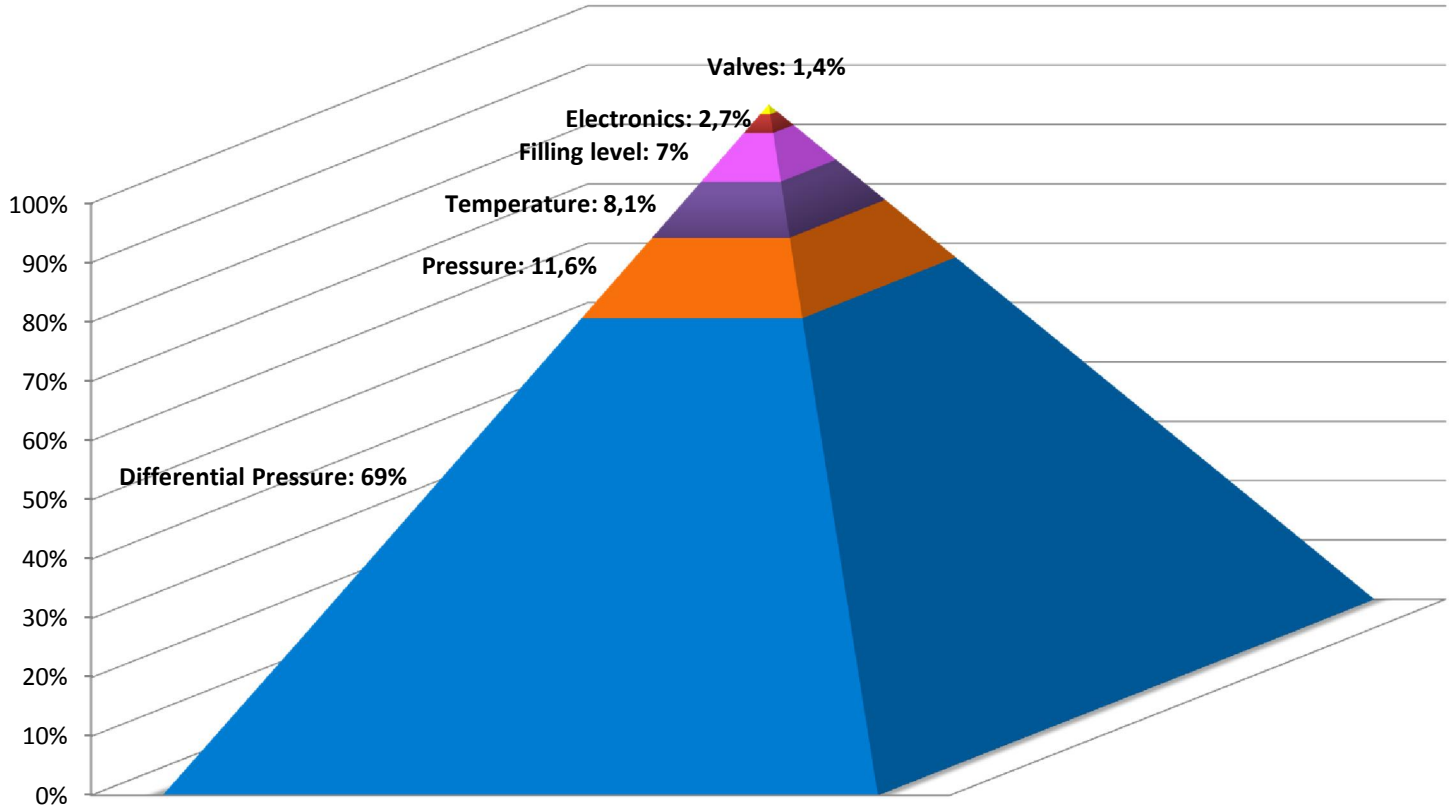
- Pumps: Wilo, KSB
- Extinguishing Equipment (Equipment Fire Fighting Vehicles): Ziegler, Iveco,
- Waste Water Treatment: Nowak, Siemens
- Food Technology: Humana, Müller Milch (Operator), Dr. Rauh
- General Machinery and Plant Construction
- Clean Room: Pfitzer, Infineon, AMD, Boehringer, La Roche, Siemens Building Technology, JCI, Sauter, Kieback + Peter, ELPRO, M+W Group, Schering, Schwabe, General: hospital and clinic centers, laboratories
- Automotive Building Technology: Audi, Porsche, Daimler Benz, VW AG, BMW
- Renewable Energy: GE Jenbacher, Deutz Power Systems, SES
- Large-Scale Production Plant: Uhde, Polysius
- Thermal Oil Systems: Single, Dr. Wobser LAUDA, HTT, HTI, INTEC, AURA, INPLAN

FISCHER
MESS- UND REGELTECHNIK

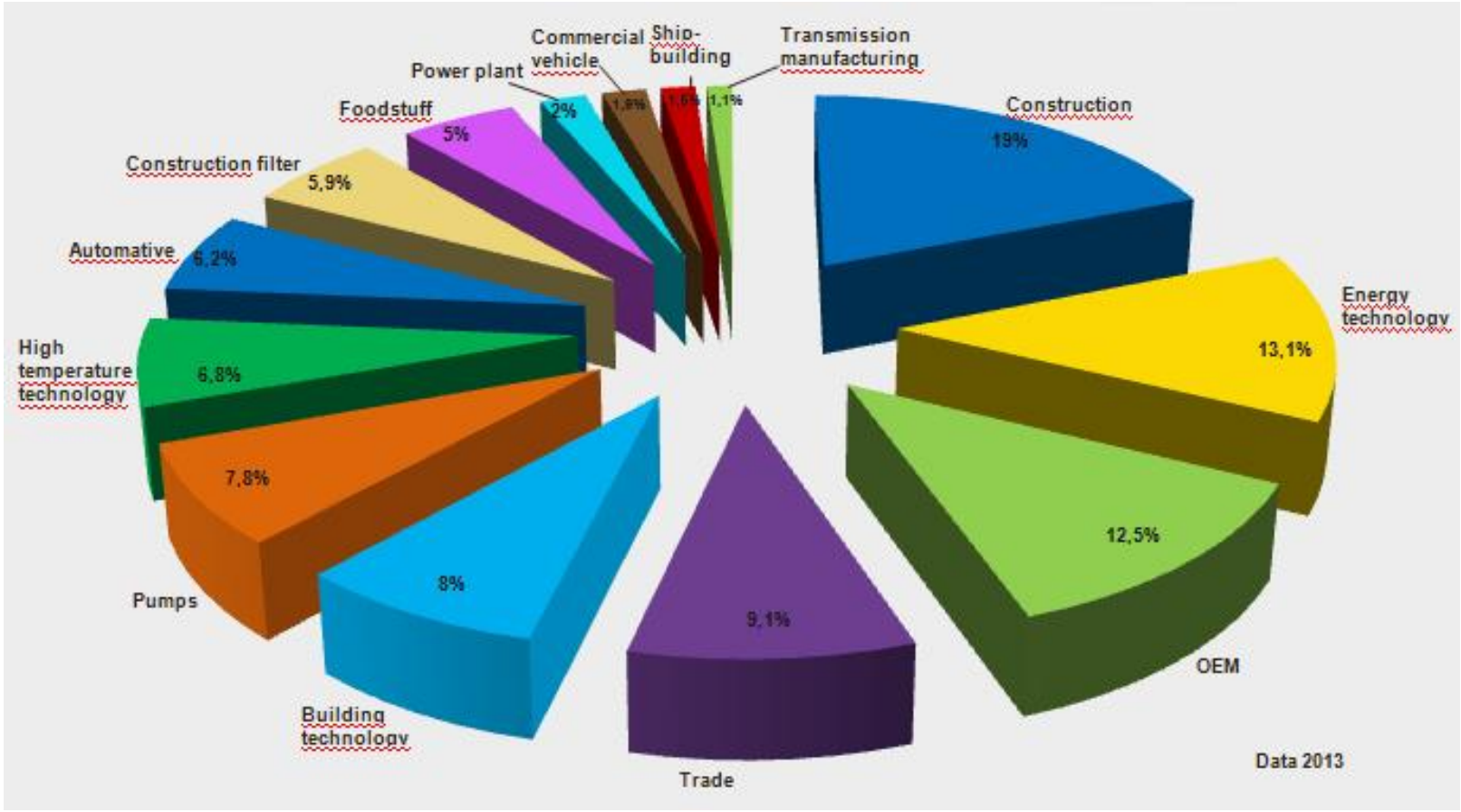
FISCHER Mess- und Regeltechnik GmbH

Product and Application Overview

Percentage of Product Sectors



Industries


Commercial vehicle
Ship-building
Transmission manufacturing
Power plant
Foodstuff
Construction
19%
Construction filter
5,9%
Automative
6,2%
Energy technology
13,1%
High temperature technology
6,8%
7,8%
12,5%
Pumps
8%
9,1%
OEM
Building technology
Trade
Data 2013

FISCHER MESS- UND REGELTECHNIK

Pressure measurement

Pressure gauges,
mechanically and electronically indicating
equipped with contacts ..
Pressure transmitter
Pressure switches
Remote seals,

Pressure

Pressure / MA / MD / ME / MS / MZ for example:

MA13

ME50

MA15

ME01

MA32

ME11

ME12

ME67

Pressure

Pressure	
MA11	Standard Bourdon-Tube Manometer
MA12	Pressure Gauge
MA13	Chemistry Bourdon-Tube Manometer
MA15	Diaphragm Pressure Gauge (for chemical use)
MA25	Hand-held Digital Pressure Gauge
MA27	Hand-held Digital Pressure Gauge
MA32	Transmitter-Manometer
MD03	Diaphragm Seals
MD26-36	Diaphragm Seals
MD28-38	Diaphragm Seals
ME01	Digital Pressure Gauge
ME11	Pressure Transmitter
ME12	Digital Pressure Transmitter with Remote Configuration Function
ME13	Pressure Transmitter
ME49	Pressure Transmitter for Hazardous Areas
ME49T	Electropneumatic Level Transmitter
ME50	Programmable Pressure Transducer / Pressure Switch
ME56T	Electropneumatic Level Transmitter
ME67	Pressure Transformer for Wastewater / Process Measuring Techniques
ME69	Pressure Transmitter for Water and Waste Water Treatment
ME71	Pressure Transmitter
MS10	Contact Pressure Vacuum Gauge
MS11	Contact Pressure Gauge (for heavy measuring conditions)
MS12	Digital Pressure Switch / Transmitter
MZ	Accessories for Measuring Instruments

Differential pressure measurement

Differential pressure,
mechanically and electronically indicating
equipped with contacts ..
Differential pressure transmitter
Differential pressure switches
Flow monitoring
Orifice plates

Differential Pressure

Differential Pressure / DA / DE / DS / DZ for example:

DS11

DA03

DE39_LCD

DA09

DA30

DE70??????????

Differential Pressure

Differential Pressure	
DA01	Differential Pressure Gauge
DA03	Differential Pressure Gauge
DA08	Differential Pressure Gauge
DA09	Differential Pressure Gauge
DA10	Differential Pressure Gauge
DA12	Differential Pressure Gauge
DA30	Differential Pressure Gauge
DE03	Differential Pressure Transmitter
DE13	Differential Pressure Transmitter
DE15	Configurable Differential Pressure Transmitter for Industrial Gases
DE16	Differential Pressure Transmitter
DE23	Differential Pressure Transmitter
DE25	Digital Differential Pressure Transmitter
DE28	Differential Pressure Transmitter
DE38	Digital Differential Pressure Transmitter / Switch
DE38	Digital Differential Pressure Transmitter / Switch with 4-Digit Colour Change LCD
DE39	Digital Differential Pressure Transmitter with Internal Pressure Sensors
DE39	Digital Differential Pressure Transmitter with 4-Digit Colour Change LCD
DE40	Differential Pressure Transmitter
DE43	Digital 2-Channel Transmitter - Direct Access to Bus-Compatible Automatic Device
DE44	Digital 2-Channel Differential Pressure Switch / Transmitter
DE44	Digital 2-Channel Differential Pressure Switch / Transmitter with 4-Digit Colour Change LCD
DE45	Digital Differential Pressure Switch / Transmitter
DE45	Digital Differential Pressure Switch / Transmitter with 4-Digit Colour Change LCD
DE46	Digital Differential Pressure Switch / Transmitter
DE46	Digital Differential Pressure Switch / Transmitter with 4-Digit Colour Change LCD

Differential Pressure

DE49_0	Digital Differential Pressure Transmitter for Explosion-Hazard Areas
DE49_A	Digital Differential Pressure Transmitter with External Sensor for Explosive Areas
DE50	Differential Pressure Transmitter
DE58	Digital Differential Pressure Transmitter / Switch
DE61	Differential Pressure Transmitter
DE70	Differential Pressure Transmitter
DS11	Differential Pressure Switch
DS13	Differential Pressure Switch
DS21/21D	Differential Pressure Switch
DS31	Differential Pressure Switch
DS35	Differential Pressure Switch
DZ23/24	3 + 4 Spindle Compensating and Shut-Off Valve
DZ93/94	Three-spindle Compensating and Shut-Off Valve
EA14D	Measuring Value Display for Panel Installation with 4-Digit Colour Change LCD
FD39_LCD	Digital Flow Transmitter / Switch with Colour-Change LCD
FD39	Digital Flow Transmitter / Switch with Pressure Sensors
KE07	Integrated Resistance Type Remote Sensor

Temperature measurement

Digital thermometer
Expansion type thermometer
also .. with contact devices
Temperature sensors
... with Pt 100 – measuring insert
... mit Thermocouple measuring insert
Flange type, screw type, welding sokets available

Temperature / Humidity

Temperature / humidity / TA / TE / TK / TS / TT / TW for example

TW30-39

TE01

TE41

TS61

FISCHER MESS- UND REGELTECHNIK

Temperature / Humidity

Humidity / Temperature	
KE09	Integrated Capacitive Angle-of-Rotation Transducers KE09
TA	Expansion Thermometer
TE01	Digital Thermometer
TE41	Digital Temperature Transmitter
TE42	Digital Temperature Transmitter
TK	Long-Distance Expansion Thermometer
TS01	Temperature Switch
TS61	Temperature Switch
TT30	Screw-in Thermocouple
TT31	Screw-in Thermocouple
TT32	Screw-in Thermocouple
TT35	Screw-in Thermocouple
TT36	Screw-in Thermocouple
TT40	Weld-in Thermocouple
TT45	Weld-in Thermocouple
TT46	Weld-in Thermocouple
TT50	Flange Thermocouple
TT55	Flange Thermocouple
TT56	Flange Thermocouple
TW27	Immersion Resistance Thermometer
TW30	Screw-in Resistance Thermometer
TW31	Screw-in Resistance Thermometer
TW32	Screw-in Resistance Thermometer
TW35	Screw-in Resistance Thermometer
TW36	Screw-in Resistance Thermometer
TW40	Weld-in Resistance Thermometer
TW45	Weld-in Resistance Thermometer
TW46	Weld-in Resistance Thermometer
TW50	Flange Resistance Thermometer
TW55	Flange Resistance Thermometer
TW56	Flange Resistance Thermometer
TW68	Compact Resistance Thermometer
TW70-TW73	Resistance Thermometer
TW85	Resistance Thermometer for Assignment in Explosion-hazardous Areas
TW89	Resistance Thermometer for Assignment in Explosion-hazardous Areas

Temperature

TT3x/ TW3x
Screw in type

TT4x / TW4x
Weld in type

TT5x / TW5x
Flanged type

TW68
Miniature type

TW8x
Weld in type ATEX approved

Temperature Sensors

Digital Temperature Transmitter TE41

2-wire 4-20 mA output
Compatible with thermocouples acc. to EN 60584
Compatible with Pt-100 RTD sensors acc. to EN 60751 (IEC 751. DIN 43760)
Unaffected by EMI
Conform to EMC norms
High accuracy
Very low temperature coefficient
PC programmable
Sealed against moisture / humidity
Sensor fault detection

Digital Temperature Transmitter TE42

2-wire 4-20 mA output
Compatible with Pt-100 RTD sensors
Acc.to EN 60751 (IEC 751, DIN 43760)
Unaffected by EMI
Conform to EMC norms
High accuracy
Very low temperature coefficient
PC programmable
Sealed against moisture / humidity
Sensor fault detection

Temperature Sensors

Digital Temperature Gauge TE01

3-wire Pt-100 RTD acc. to EN 60751

0-10 V —0-20 mA — 4-20 mA output

3 ½ digit LED display

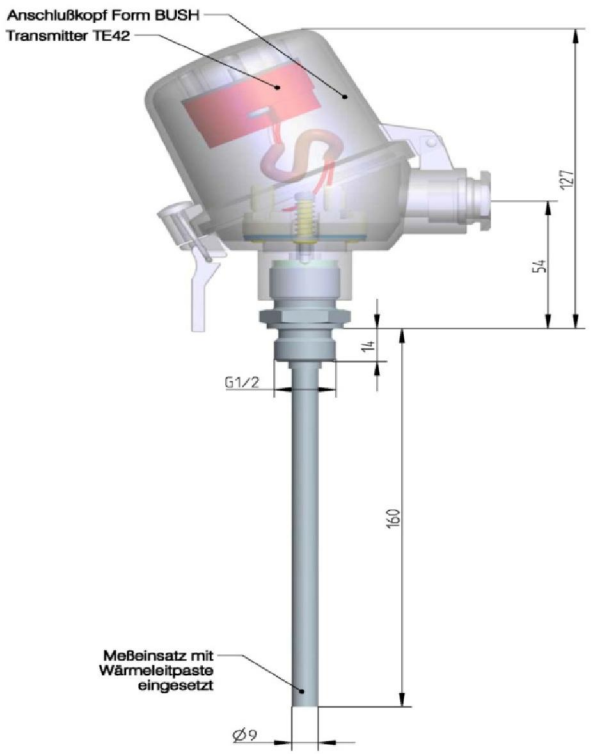
100 mm stainless steelhousing

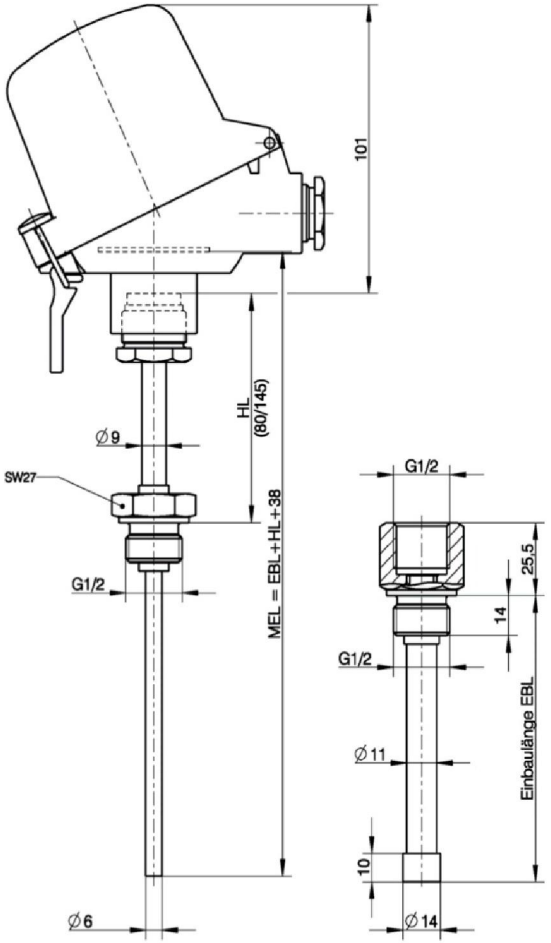
½“ process connection

±1% accuracy

Temperature Sensors

Customer specs.





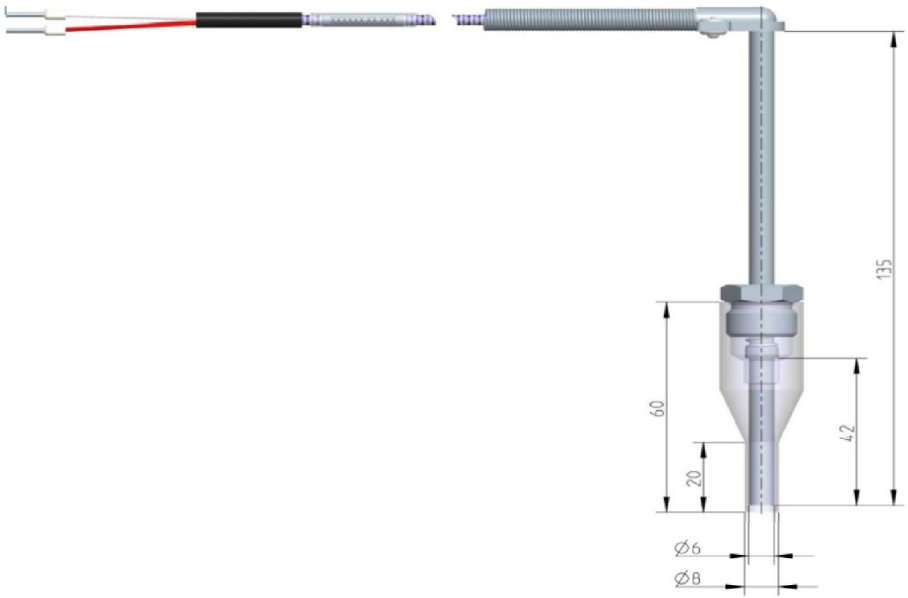
TW36 — TT39

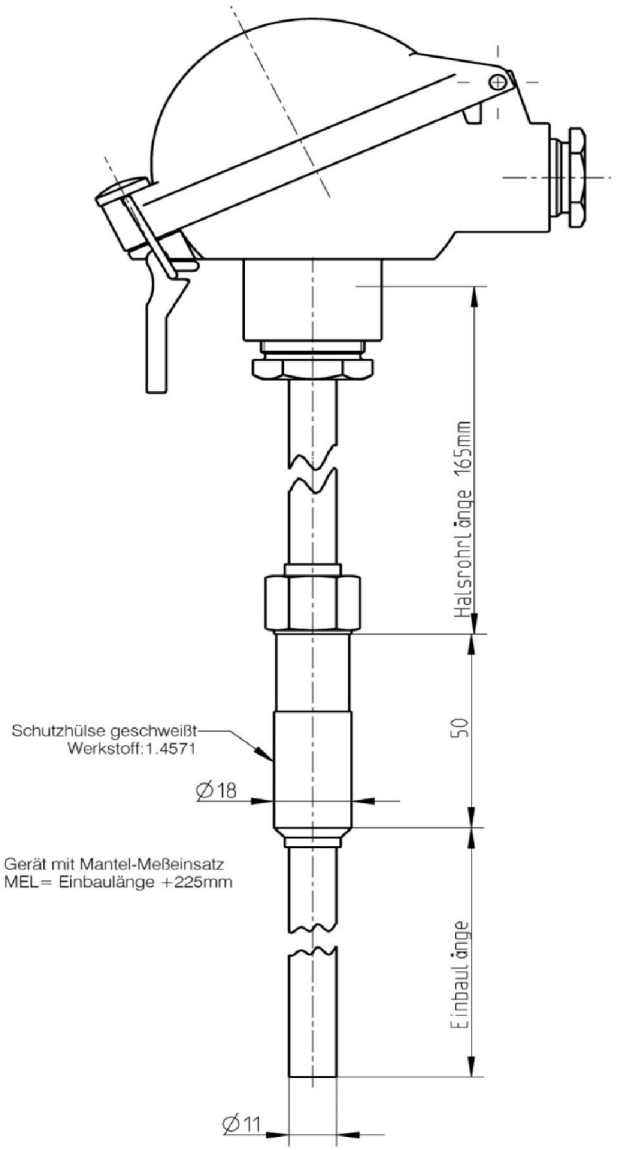
Cumbustion air intake — Exhaust gas outlet

Cogeneration unit motor management

Temperature Sensor

- Customer specific range





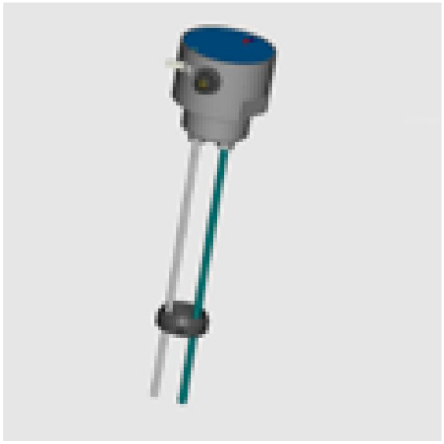
TW49 - TW45

RTDs for thermal oil heat generator

FISCHER MESS- UND REGELTECHNIK

Level measurement

Level switches – Level limiter
Probes for deep wells, conductice probes, capacitive probes , float switches signal conditioning instruments.



Level

Level / EA / ER / NB / NC / NK / NR / NS for example:

EA01

NK10

NC56

NC57

NK21

NB10

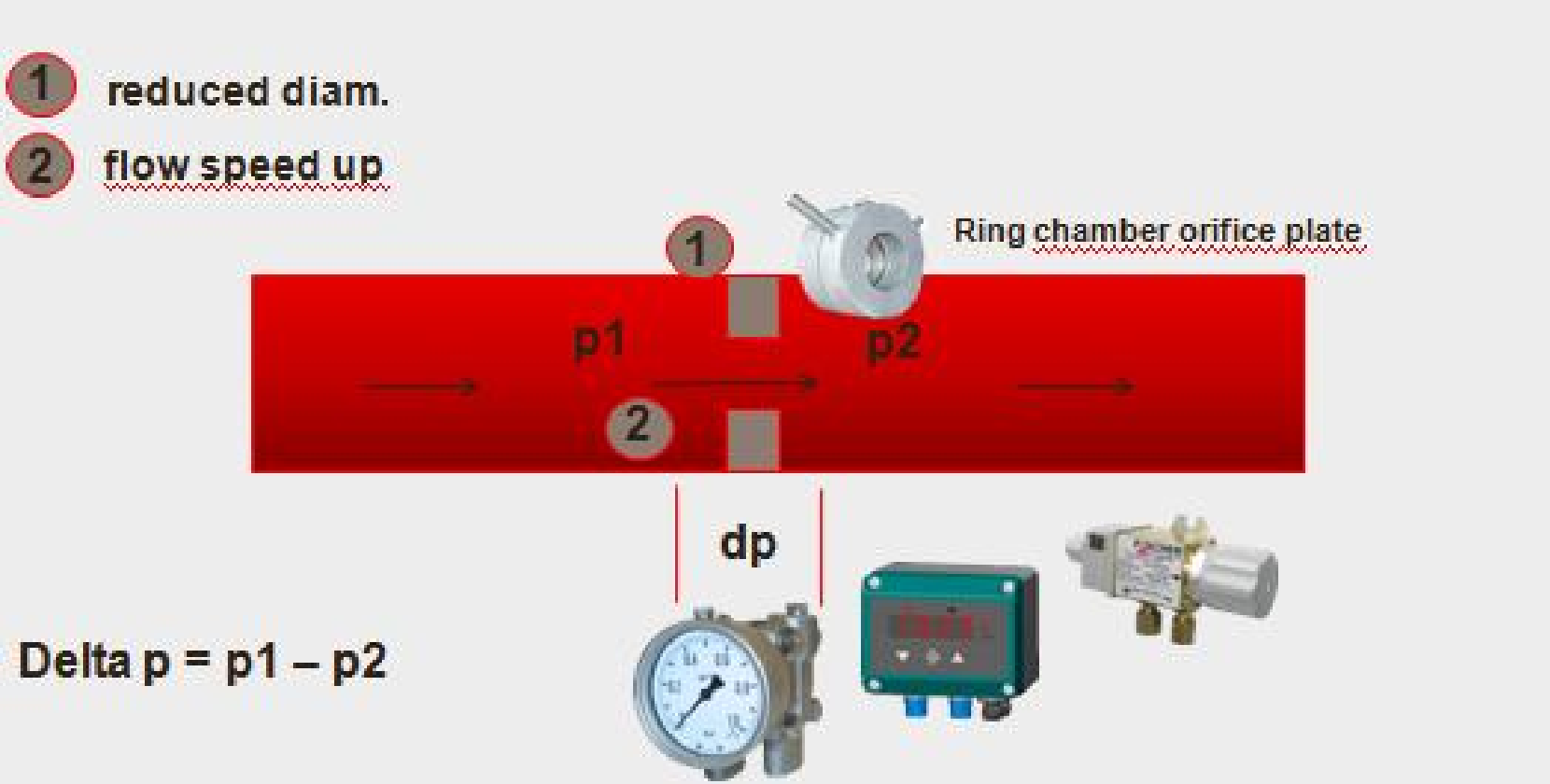
Level

Level	
EA01	Tank Display
EA14F	Level Indicator
ER76	Control Relay for Level Detector
NB10	Well Probe
NC56	Capacitive Filling Level Probe
NC57	Capacitive Level Sensor
NK06	Level Sensing Probe Unit: Conductivity Type - GL structural tested
NK10	Fill Level Limiter
NK21	Conductive Level Control Switch
NR56	Tank Level Encoder
NS01	Level Switch

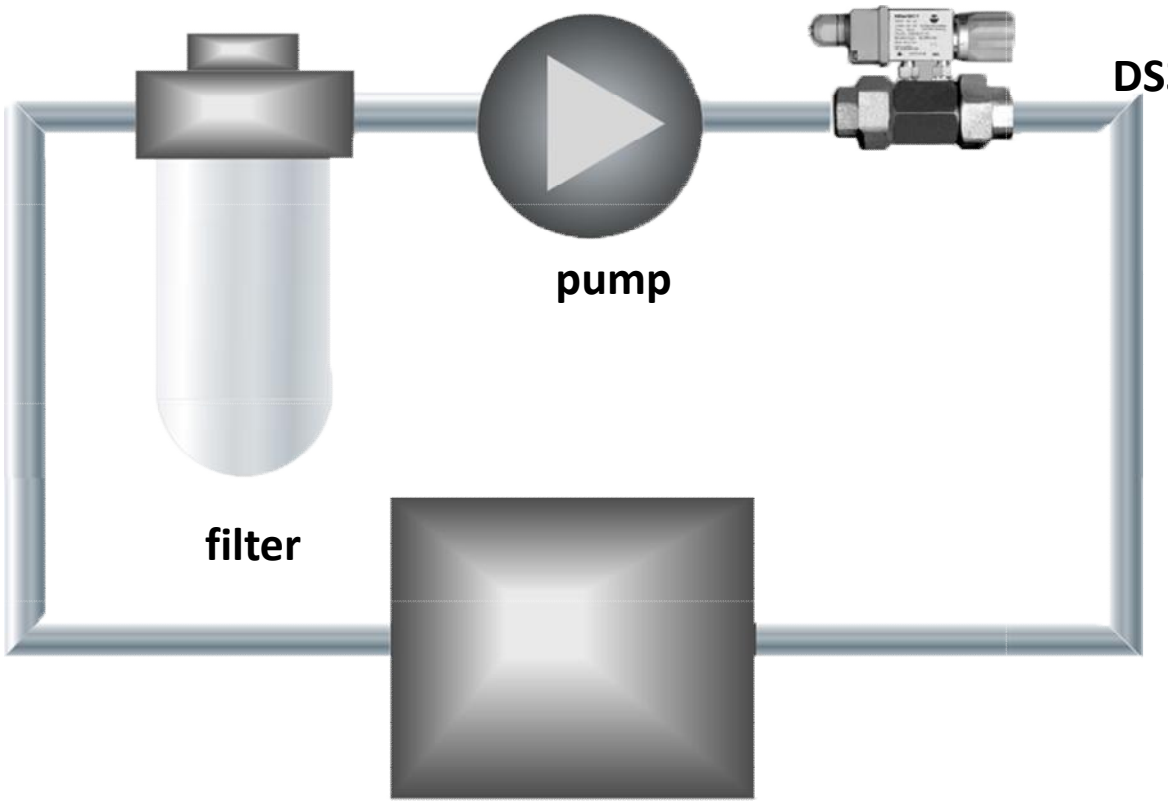
Flow measurments

Flow measurments with diffenerntial pressure transmitter and orifice plates and flow monitoring

Flow Measurement – via Differential Pressure



Flow Measurement – via Differential Pressure



DS31 with orifice plate

Watercooled-laser

Oil Flow Monitoring via Differential Pressure

oil supply systems

DE38
indication e.g in bar, l/min, m3/h

ST-DS11

Gears for
Cement mills
Wind crafts
Ship engines
Container cranes
Compressors for industrial use
…….

gear

Oil Flow – via Differential Pressure

- Application sample for tempering plants (thermal oil)

Flow Measurements

Flow measurements with differential pressure transmitter and orifice plates and flow monitoring

FISCHER MESS- UND REGELTECHNIK

Accessories for pressure and differential pressure devices

ATEX

Equipment

		Gas zone		Dust zone		Type of protection
		1	2	21	22	
Pressure	MA15	✓	✓	✓	✓	II 2GD c 95°C IP65
	ME49	✓	✓			II 2G EEx ib IIC T6
	ME49T	✓	✓			II 1/ 2G EEx ib IIC T6
Differential pressure	DA01	✓	✓	✓	✓	II 2GD c 95°C IP65
	DA03	✓	✓	✓	✓	II 2GD c 95°C IP65
	DA10	✓	✓	✓	✓	II 2GD c 95°C IP65
	DS21	✓	✓	✓	✓	II 2G Ex ib c IIC T6 II 2D Ex tb c IIIC T70°C IP65
	DE49..A	✓	✓	✓	✓	II 1/2G Ex ia IIC T4 II 2D Ex iaD 21 T80°C
	DE49..0	✓	✓	✓	✓	II 1/2G Ex ia IIC T4 II 2D Ex iaD 21 T80°C

ATEX

Level  NK10	✔	✔		✔	II 2G Ex ib IIC T6 II 3D c Ex tD A22 IP55 T80°C
Temperature  TW85	✔	✔	✔	✔	II 1/2G EEx ia IIC T6 II 1/2D IP65 Tx°C
 TW89	✔	✔	✔	✔	II 2G EEx ia IIC T6 II 2D IP65 Tx°C

Signal Conditioning

Signal Conditioning

Signal conditioning DPM / EA / EN / EU for example

EA14D

EA14M

EA14F

EA10

Signal Conditioning

Signal Conditioning	
DPM	Digital Display
EA10	Electronic Display
EA11	Electronic Display
EA14D	Differential Pressure Indicator
EA14D_LCD	Differential Pressure Indicator
EA14F	Level Indicator
EA14M	Pressure Indicator
EN10	Power Supply Unit
EU41	Digital Temperature Transmitter

Branches

Branches

Building automation

Automotive

Energy

Power plants

Ship building industry

Clean room

Plant construction

Application examples

Building automation

Energy optimization of air handling systems

Target:
Saving energy costs and reduction of emission of CO2

The maintenance costs of a building consist of 41% of cost for the use of primary energy

Of which 85% is used for heating and cooling.

Approx. 60% of the total Energy costs arise in so-called "nonresidential" buildings.

920 TWh (terawatt hours) in Germany only

FISCHER MESS- UND REGELTECHNIK

Our strength:

- Venting
- Cooling
- Heating
- Warm water

In flowing gases (e.g. air) it's just like with liquids:

Does the piping system creates resistances (e.g. caused by blocked filter, edges, pipe reductions e.tc.), the pump or the fan have to press stronger to carry the same amount of volume.

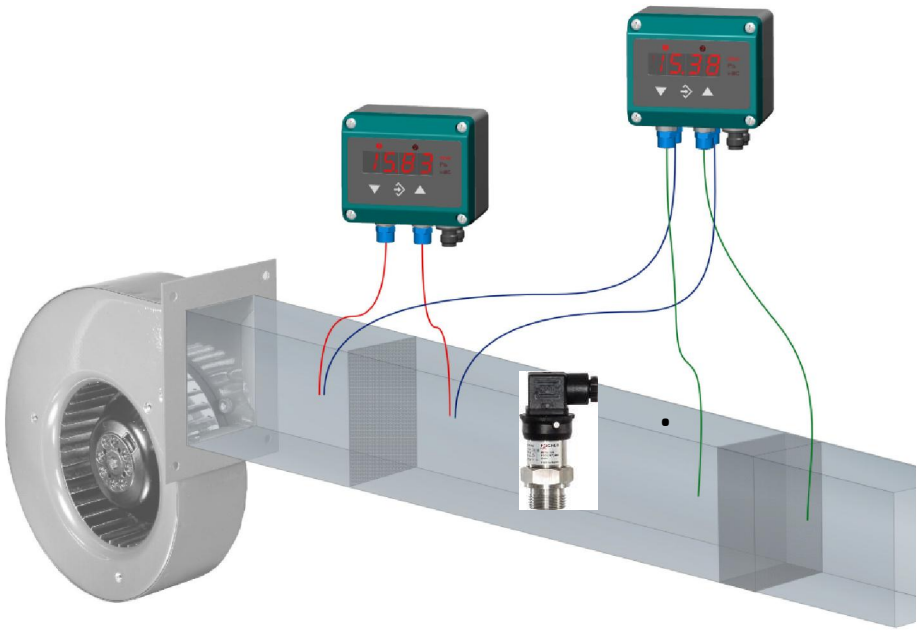
Therefore the fan consumes more power, when the filter or the ventilation grilles of the system are dirty or even blocked.

A simple filter monitoring hardly sufficient to achieve energy savings.

Many older ventilation systems do not have a frequency controlled fan regulation and thus can not be regulated energy efficient.

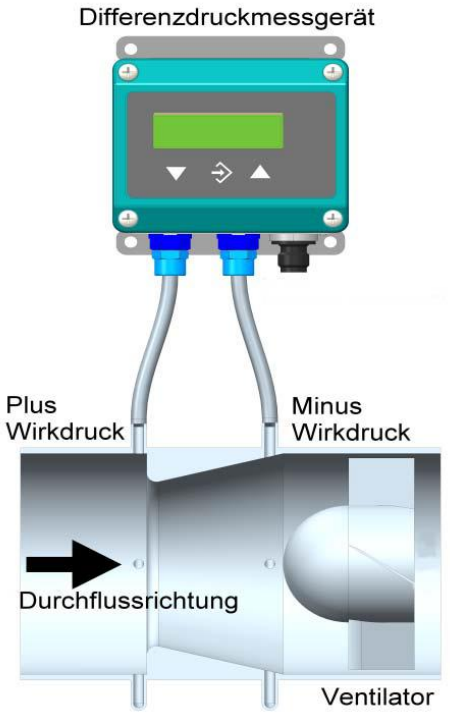
The majority of existing industrial ventilation systems are operating under uncontrolled full load.

The standard measurement is merely a filter monitoring or just a control loop to keep a constant pressure behind the filter

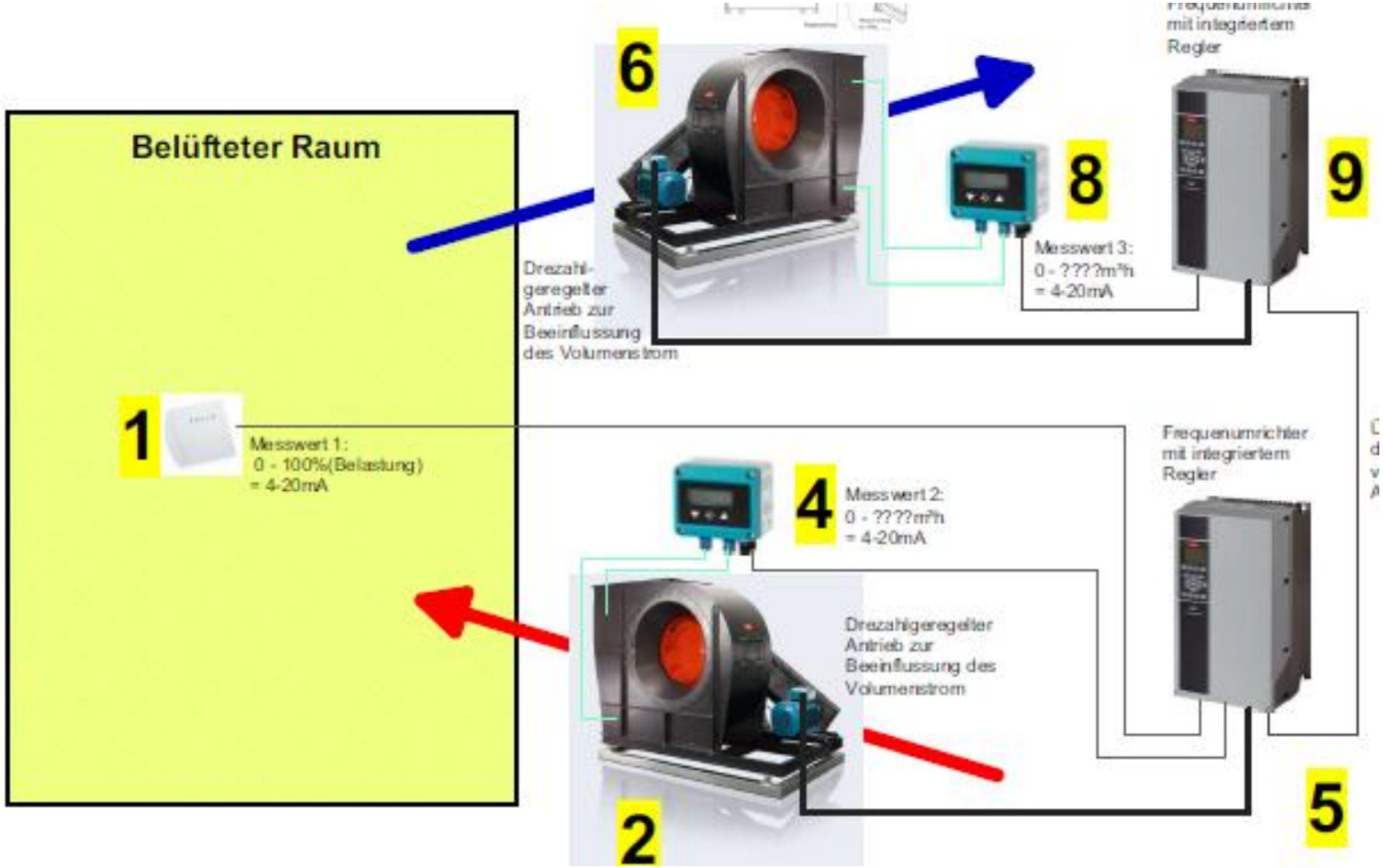


Considering the more and more upcoming general statutory requirements for energy savings it makes sense to implement instead of the unregulated operation of the air handling in a building a regulated use on the volume flow.

Only such a measurement makes it possible to consider the overall efficiency of the system.



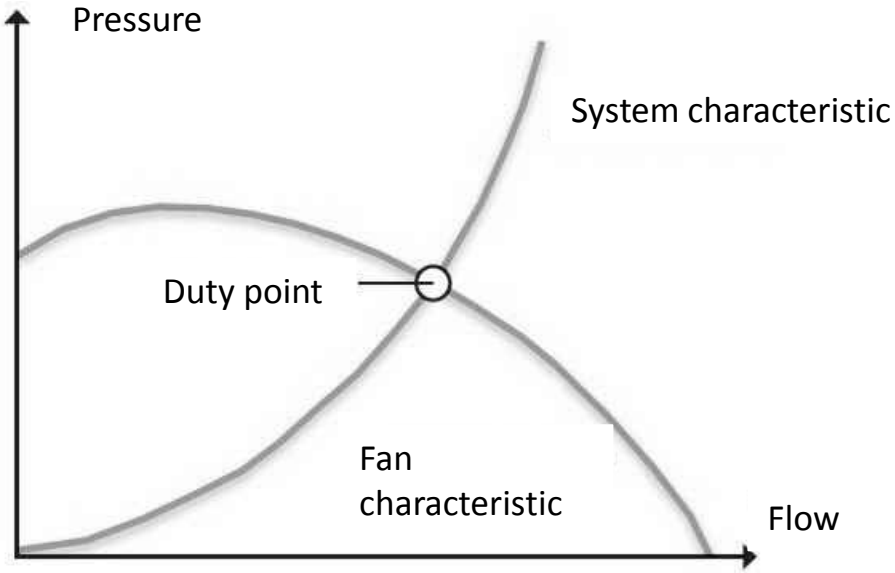
Regulated air flow with rectifier



FISCHER MESS- UND REGELTECHNIK

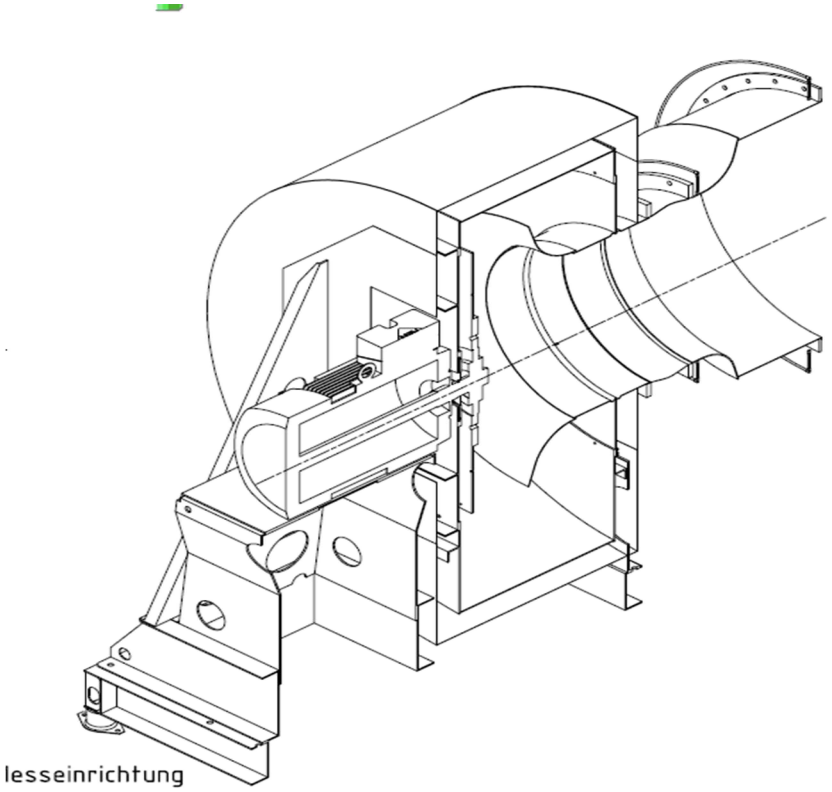
Why is it better to measure the volume flow as the pressure or differential pressure directly above the filter?

At a constant pressure control or a "simple filter controls" it may happen that the pressure in the channel is indeed optimal, but the fan power increases because the filter, the throttle valves or ventilation grills are dirty and thus shift the operating point of a system and thus energy is dissipated unnecessarily .



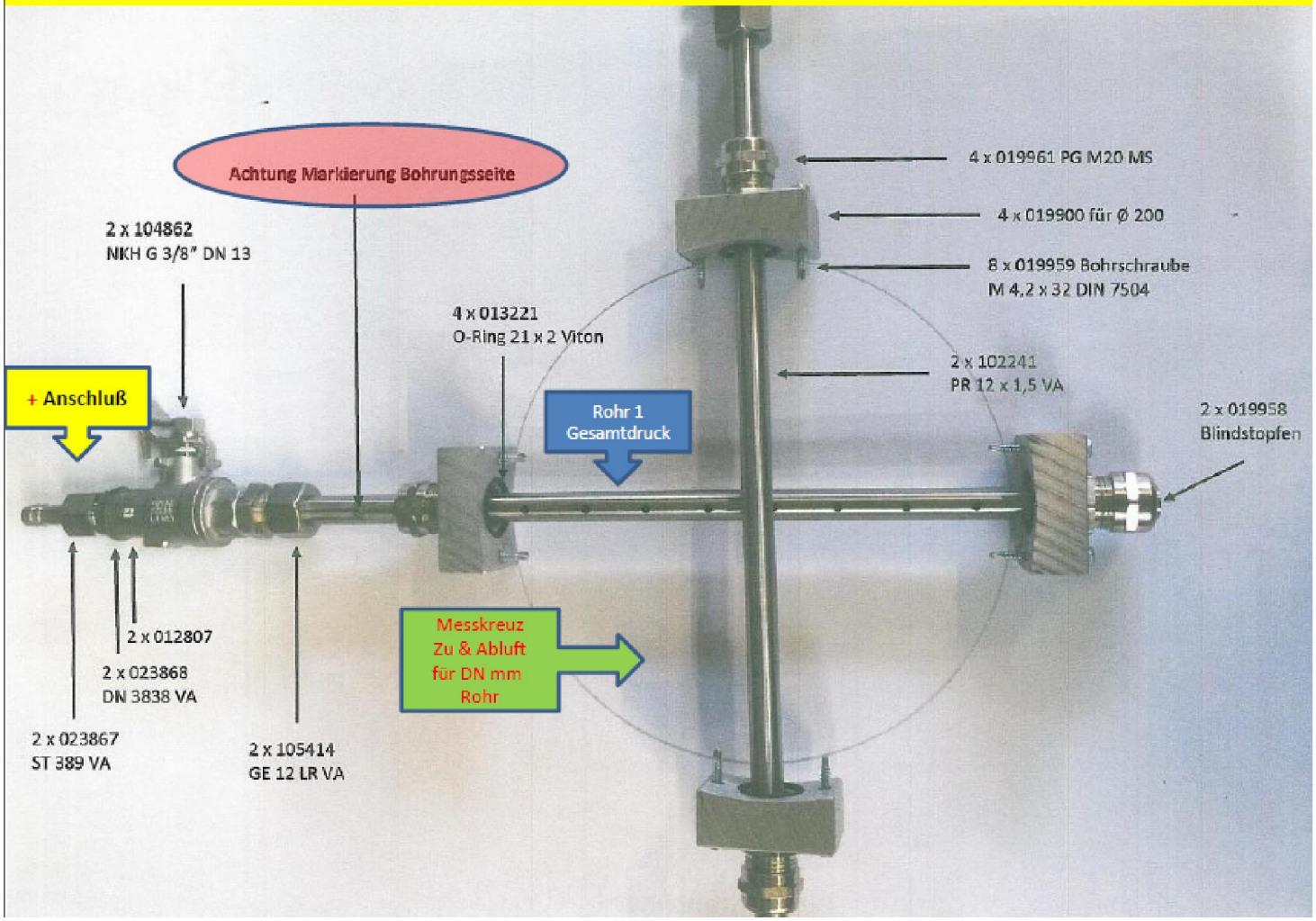
FISCHER MESS- UND REGELTECHNIK

Air flow - Venturi Prinziple



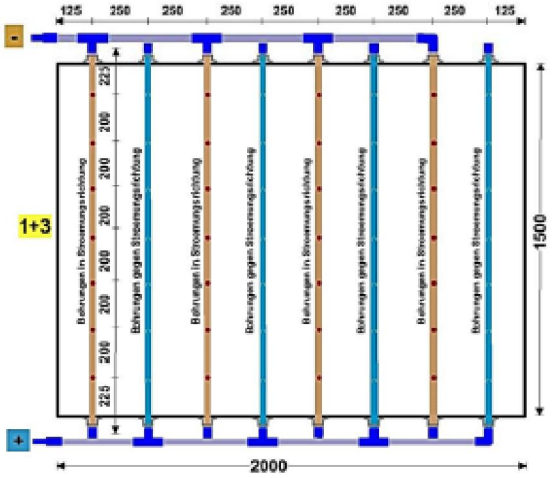
FISCHER MESS- UND REGELTECHNIK

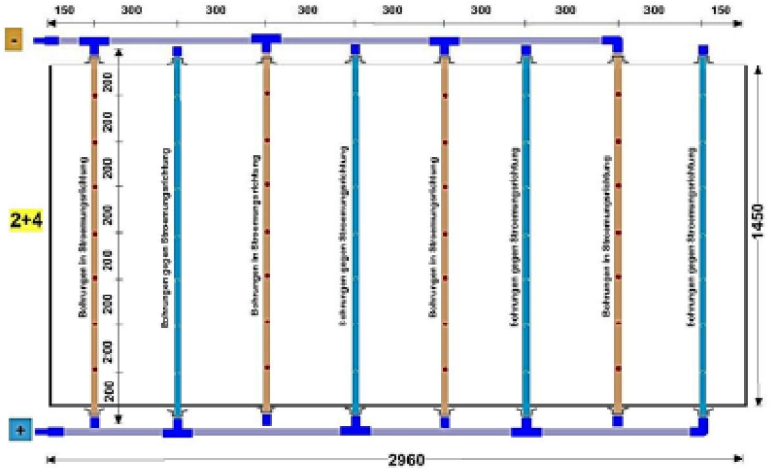
Cross measuring device for air chanals

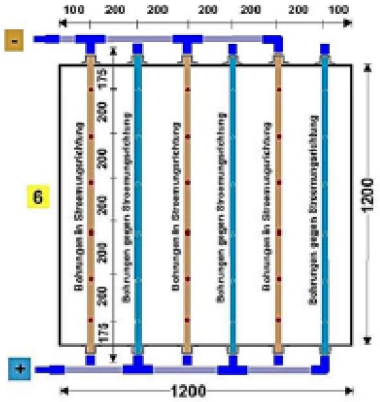


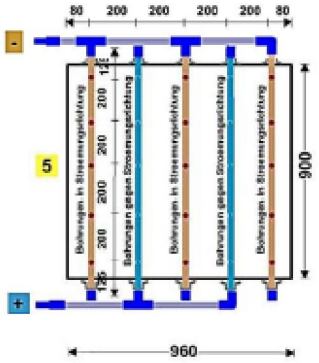
FISCHER MESS- UND REGELTECHNIK

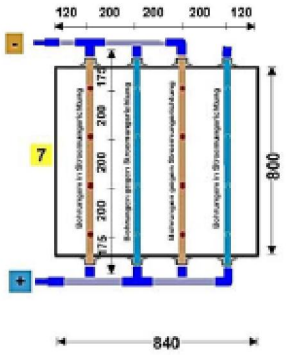
Measurment grid for air chanals

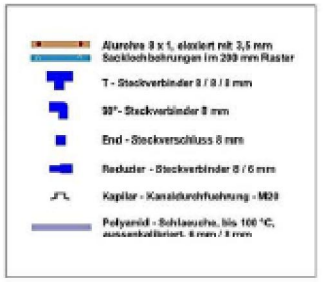




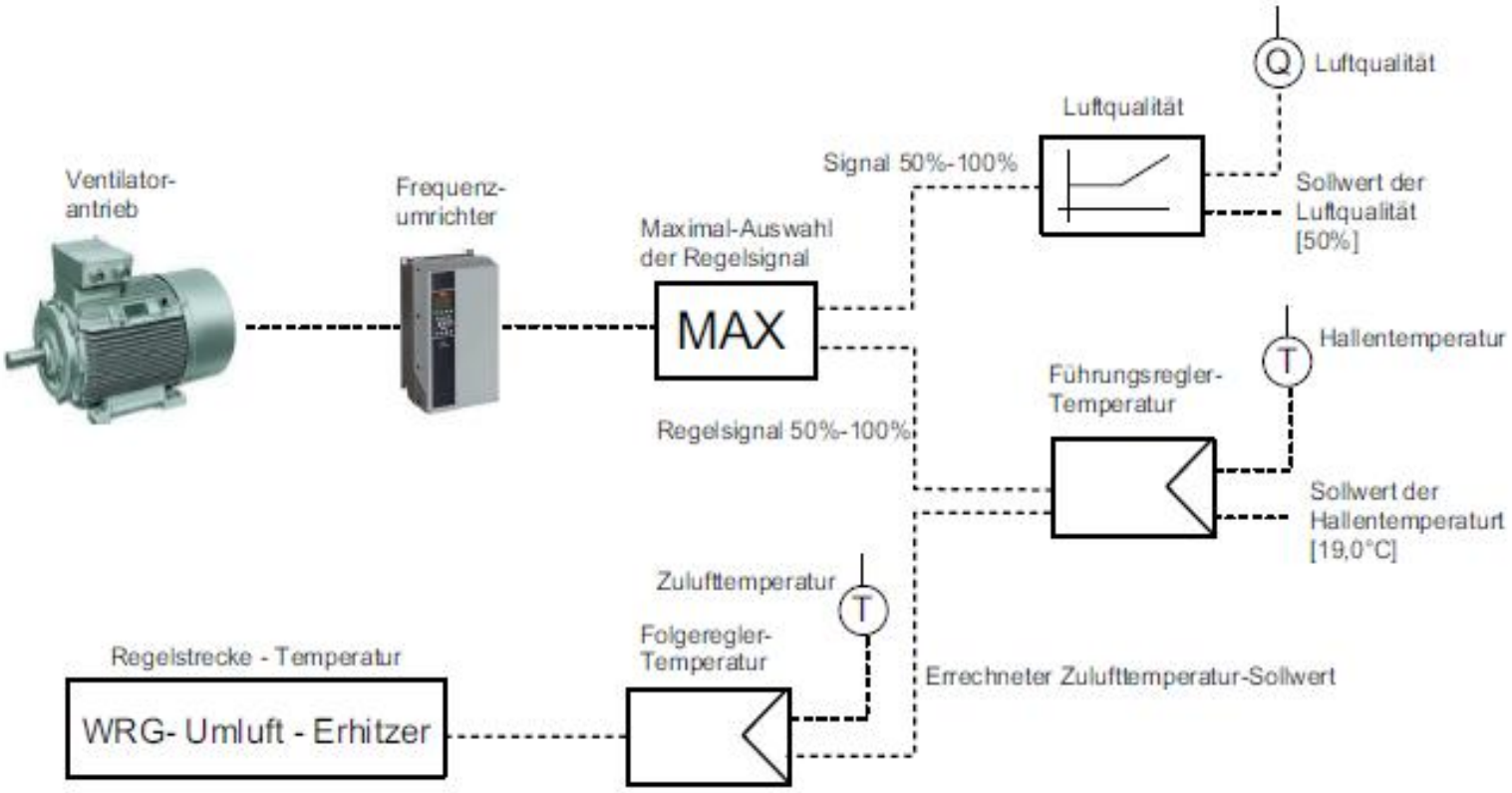








Air handling system with air quality and temperature control

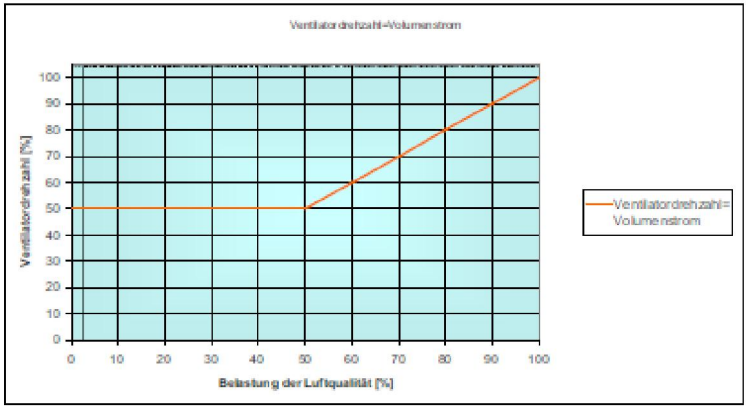


VOC = volatile organic compounds

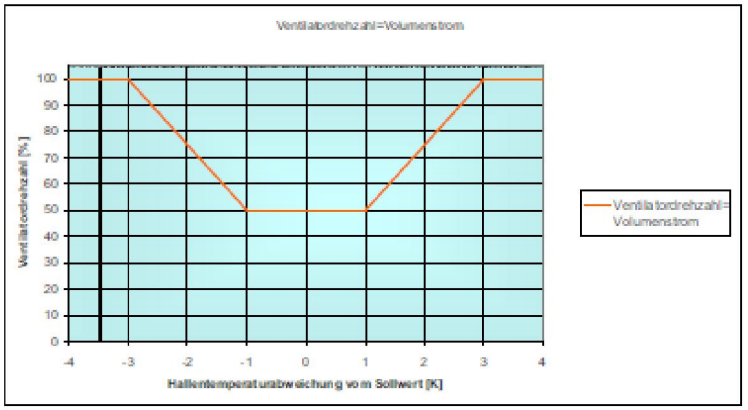
FISCHER MESS- UND REGELTECHNIK

Fan rpm and throttle control

depending on the air quality



depending on the hall temperature



the two schemes are working constantly and simultaneously. The larger control signal is exploited and passed through the inverter to the ventilation drives

Pay back calkulation

- 50% **less** Energy costs
- 40320kg **less** Immission CO^2 per year

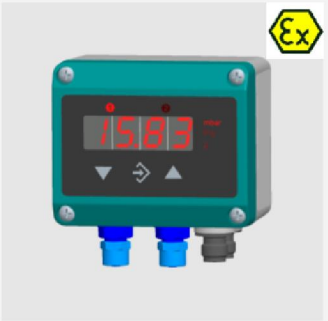
Useful Instruments

DE 45

DE 49

DE 44

DE 44

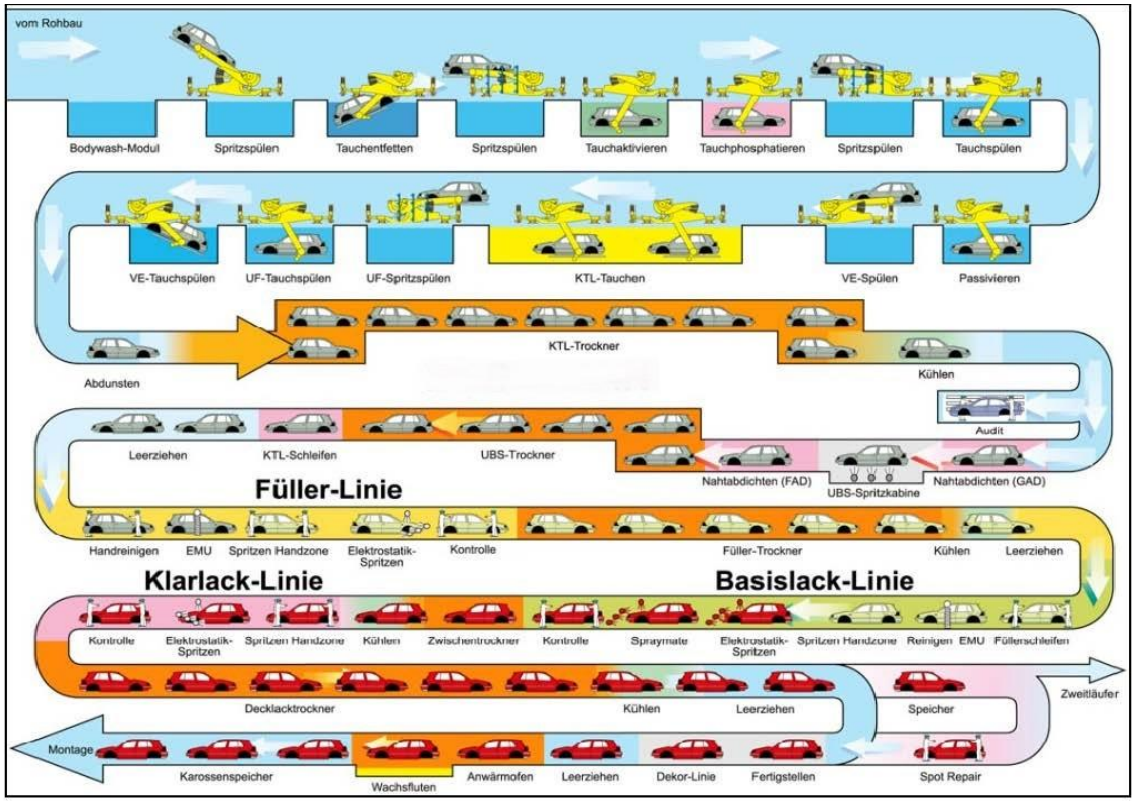


DE 46

DE 45

DE 46

Painting Plants and Pre-Treatment (Automotive)



DE44

DE45

DE49 (Ex)

ME11

EA14

Additional useful instruments for building automation:

DE40 Maintenance-free differential pressure transmitter for measurement of gauge pressure and partial vacuum of neutral liquids and gases.

Typical applications include use for pump control in recirculation lines of heating systems

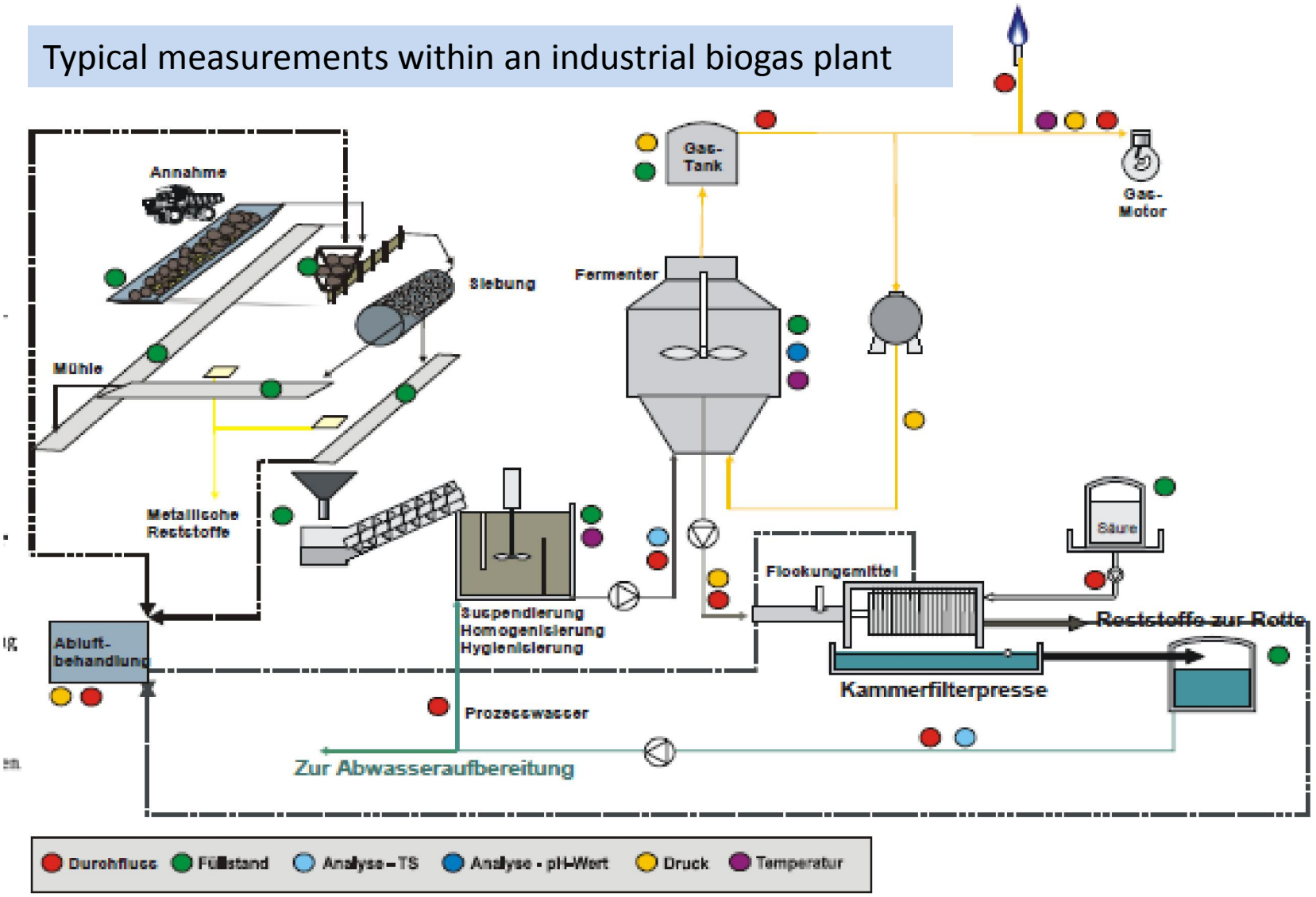
FD38 Digital Flow Transmitter for flow measurements of non-aggressive liquids and gas.

Typical applications include oil and hot water systems in the building automation or in cooling systems for the process industry

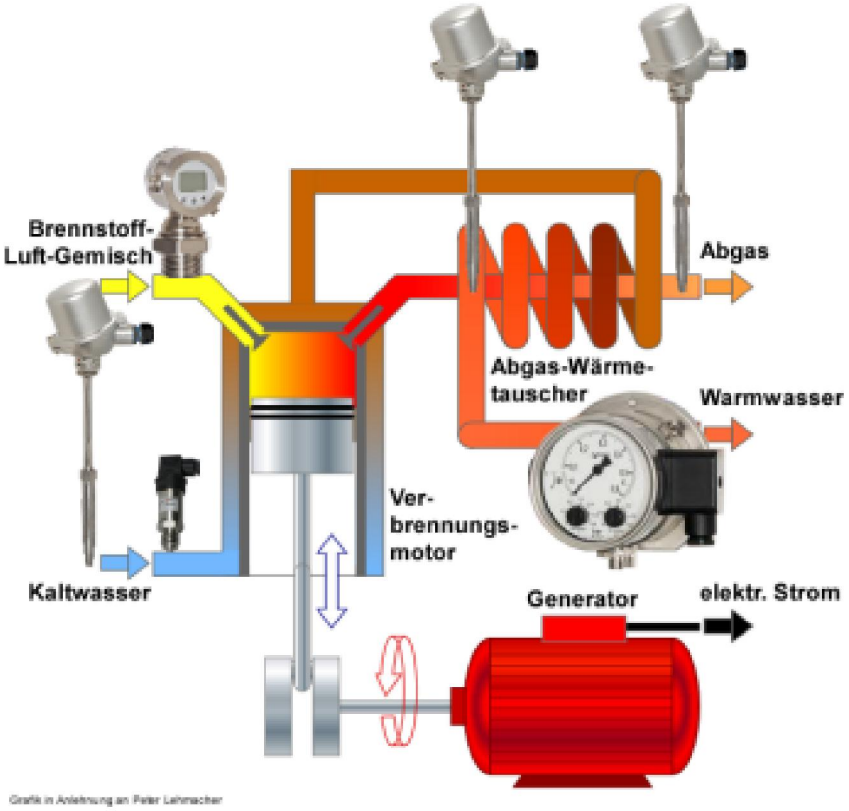
Biogas plant

FISCHER MESS- UND REGELTECHNIK

Typical measurements within an industrial biogas plant



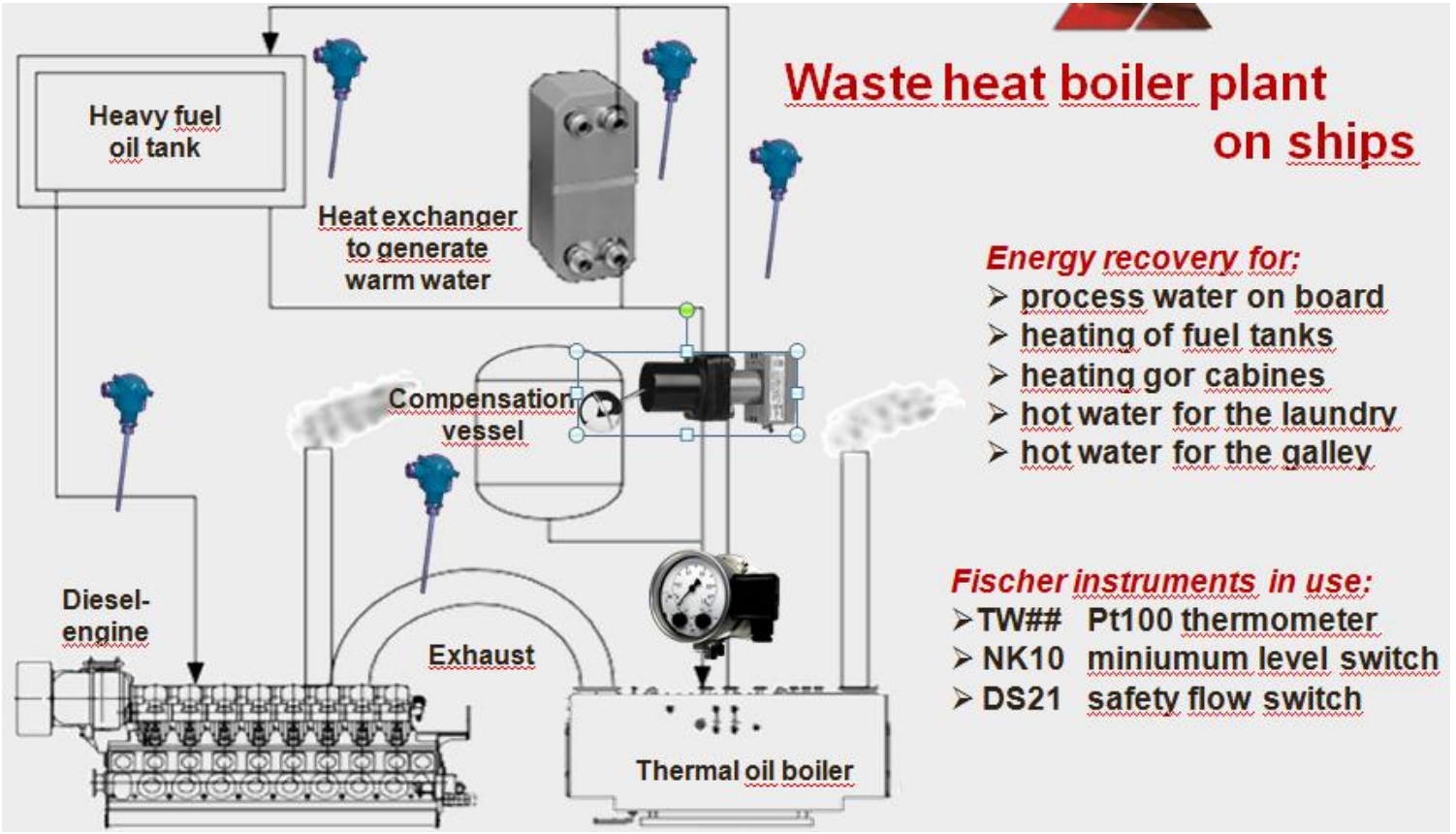
Block heat power plant in biogas plants



Typical measuring instruments in biogas plants

bio mass container	Temperature	TW30 / TW50
receiption pit	Level	DE70 / MDM with flushing rings
digesters	Level	DE70 / MDM with flushing rings
digesters	Temperature	TW30 / TW50
digesters residues	Level	DE70 / MDM with flushing rings
substrate line	Pressure	ME49 / 50
secondary fermentation	Pressure	ME49 / 50
Secondary fermentation	Temperature	TW30 / TW50
foam – Dedection	Level	NC57
block heat power plant	Temperatur	TW30 / TW50
block heat power plant	Pressure	ME50
Thermal - oil	Pressure	DS21
Thermal - oil	Level	NK10

Waste Heat Boiler Plant on Ships



FISCHER MESS- UND REGELTECHNIK

Thermal oil

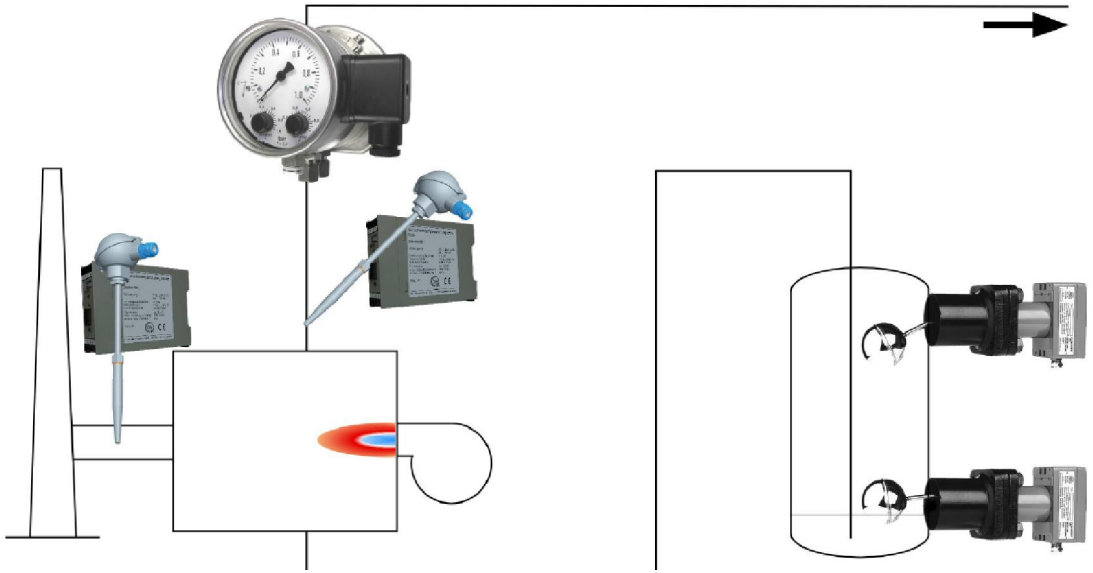
Thermal oil plants

Heat transfer by thermal - oil vs.. water

The advantage of heat transfer with thermal oils:
Heat transfer oil is not generating, even under high temperature, vapor pressure above 1 bar. This means that thermal oil systems, apart from some special systems, is a pressure-free heat transfer system. Temperatures up to about 400°C can be handled

Water is probably the most common heat transfer medium. And it will probably remain so. But its quickly reach the limits of applicability. Especially because with increasing temperature is accompanied by a high increase in vapor pressure.

Useful instruments: DS21, NK10, EU11, TW45



With the flow monitoring device DS21 sufficient media circulation is monitored.

With the safety temperature device EU11 and thermometer TW45 media temperature and exhaust gas temperature is monitored.

With the level switch NK10 the expansion vessel is monitored.

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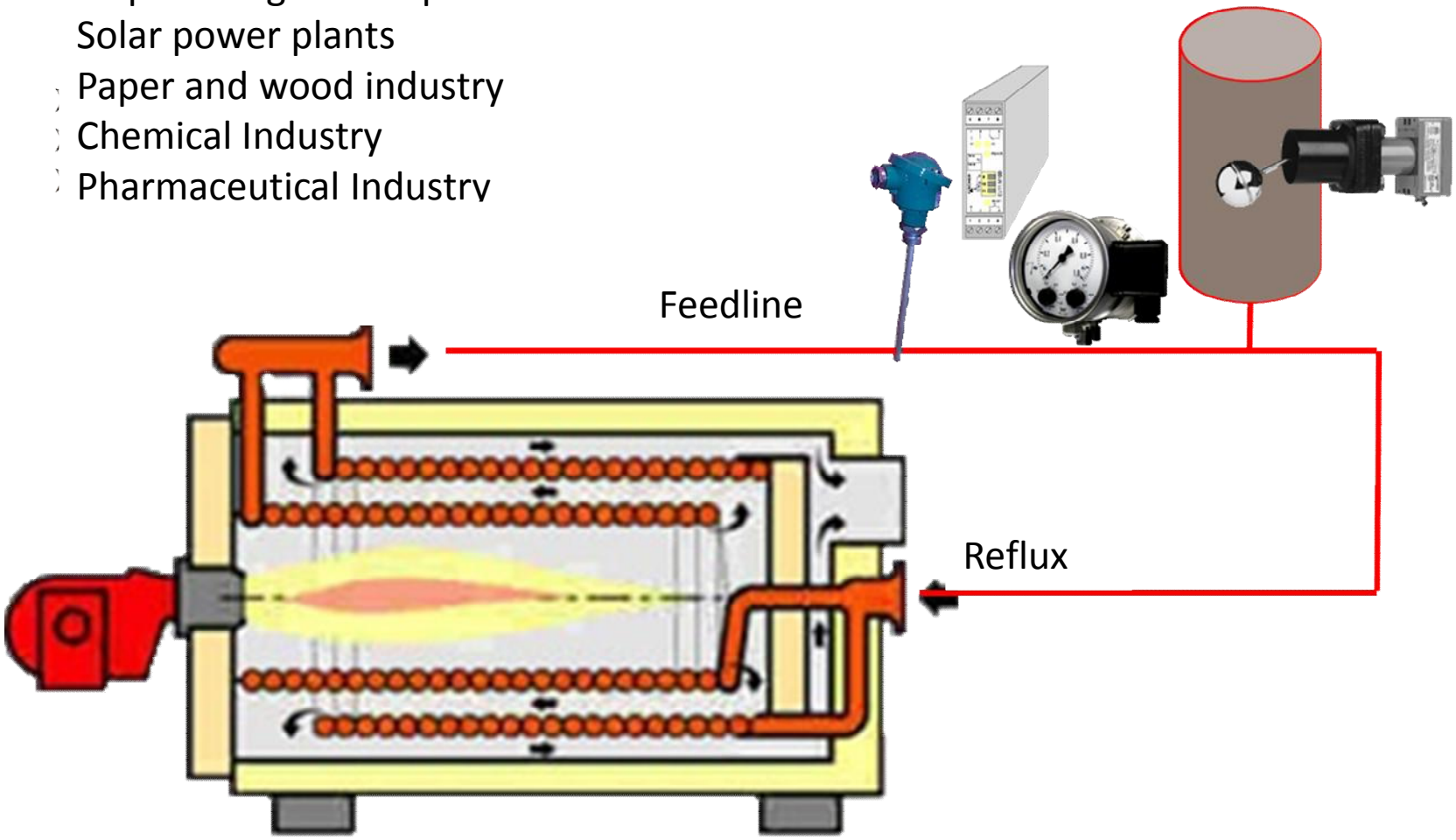
In this branches you will find thermal oil for heating transfer

- Industrial areas
- Shipbuilding and oil platforms
- Solar power plants
- Paper and wood industry
- Chemical Industry
- Pharmaceutical Industry



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Aggressive Media

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Attention: Aggressive Media!!

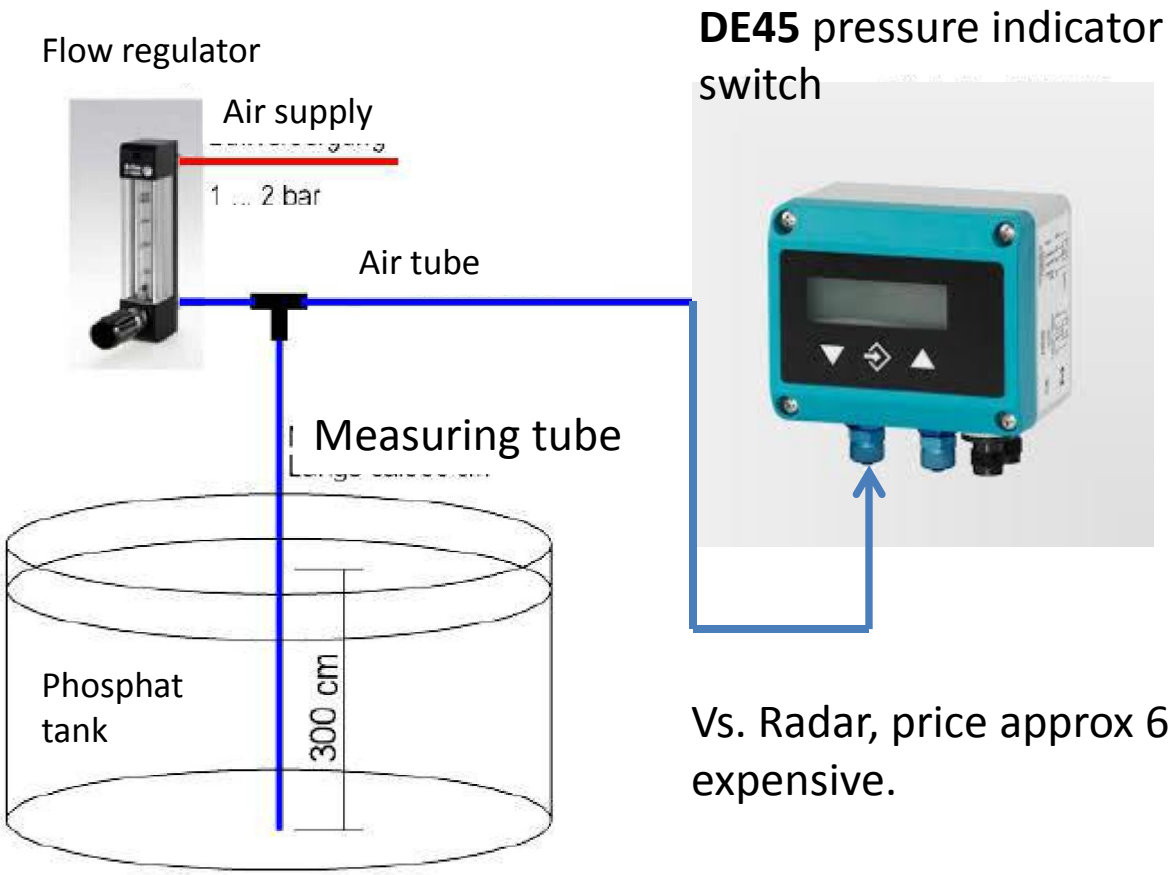
Fischer instruments in use:

- transmitter manometer ME01/ ME02
- pressure transmitter ME69 / ME67

Field of application

- here: production of printed circuit boards
- water and waste water treatment
- generally suitable for high aggressive media

Air purge system



DE45 pressure indicator and switch

Vs. Radar, price approx 6 times more expensive.

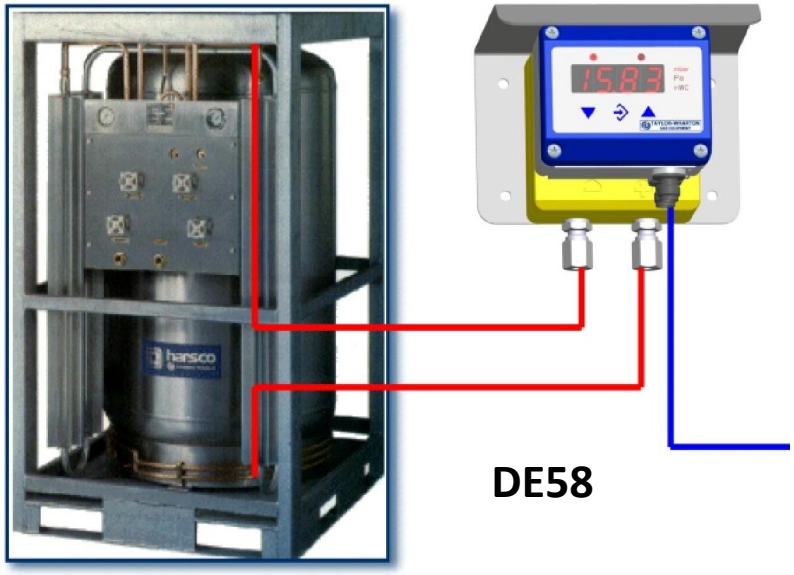
Cryogenic Gases

In the area of monitoring cryogenic gases in tanks, FISCHER offers a comprehensive program for level and pressure monitoring.
Cryogenic gases include the ventilation gases nitrogen (LIN), oxygen (LOX) and argon (LAR).


DE15

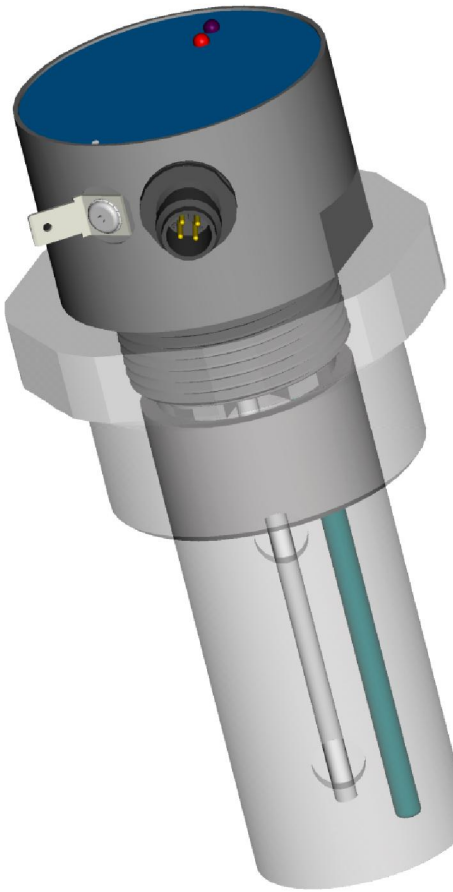
DA30

FISCHER offers, among other things, the mechanical display **DA30**, the electronic pressure and differential pressure transmitters **DE15** and for so-called Minibulks (small tanks) the differential pressure switch / transmitter **DE58**.


DE58

FISCHER
MESS- UND REGELTECHNIK

Measurement technology for tank vehicles



NC56 capacitive level sensor for plastic and metal tanks suitable.

Good media resistance due to ECTFE coating

Easy setup via infrared interface

Typical areas of application: fire water tanks and foam tanks

FISCHER
MESS- UND REGELTECHNIK

NR56 and **EA01** level sensor with reed contacts and fuel gauge for plastic and metal tanks suitable.

Easy setup via infrared interface

Typical applications: Electronic dip stick for truck with diesel tank and fuel oil tanks.

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NC57 and **EA14F** capacitive level sensor and fuel gauge with suitable pump control and alarm suitable for plastic and metal tanks.

Easy setup via infrared interface

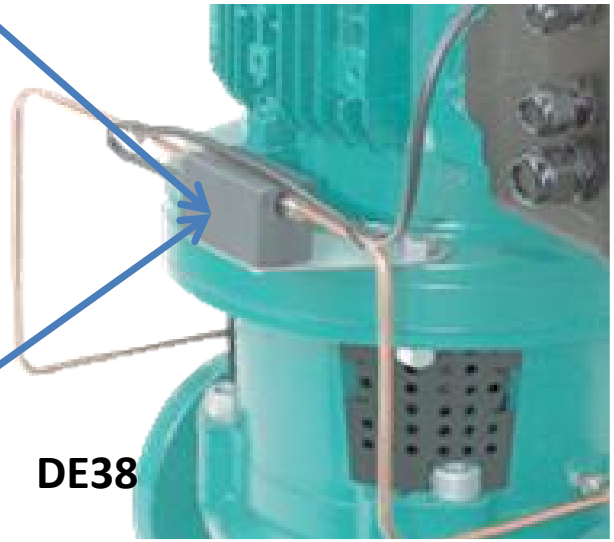
Typical areas of application: Chemicals tank trucks, food tank trucks

Pump, Filter, and lubricating monitoring

Pump monitoring

DE28

DE38



Typical areas of application:

Booster stations; Pressure maintenance systems, heating systems; Water supply; Wastewater management.

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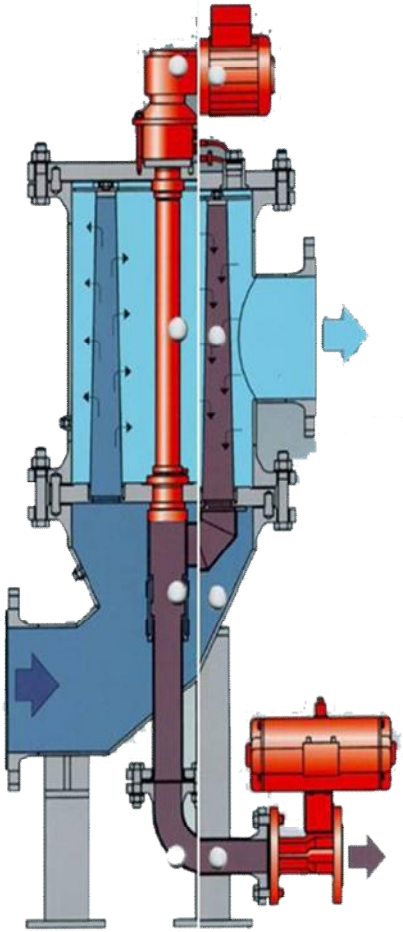
Filter monitoring

DA03

DS31



DE45

DS11

Oil circulation monitoring of industrial compressors

DS11/ DE16

DE38
Indication
e.g in
bar, l/min,
m3/h

DS11 with orifice plate

Gears for

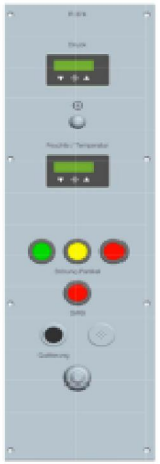
- **cement mills**
- **wind crafts**
- **ship engines**
- **container cranes**
- **compressors for industrial use**
- **…….**

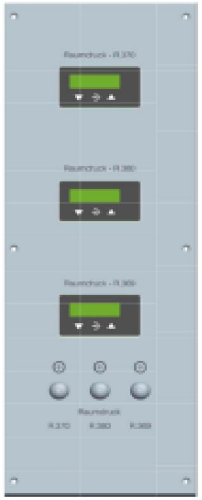
FISCHER MESS- UND REGELTECHNIK

Clean room

FISCHER MESS- UND REGELTECHNIK

Complete panels according to customer's requirement





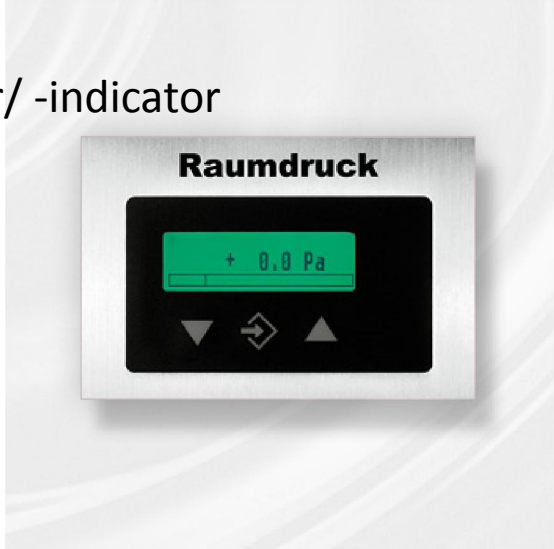
Panel mounting

Wall or standalone mounting

DE46 room pressure transmitter / - indicator with directly mounted shut off valve **DZ67**

FT61 –
Humidity-, Temperature measurement device

DE24 –
Room pressure transmitter/ -indicator



FISCHER MESS- UND REGELTECHNIK

EA14A –
Indicator for general purpose

TW68 –
Compact resistance thermometer with mit miniature head transmitter

LE06 –
locks symbolism

LE07 –
LED indicator lights

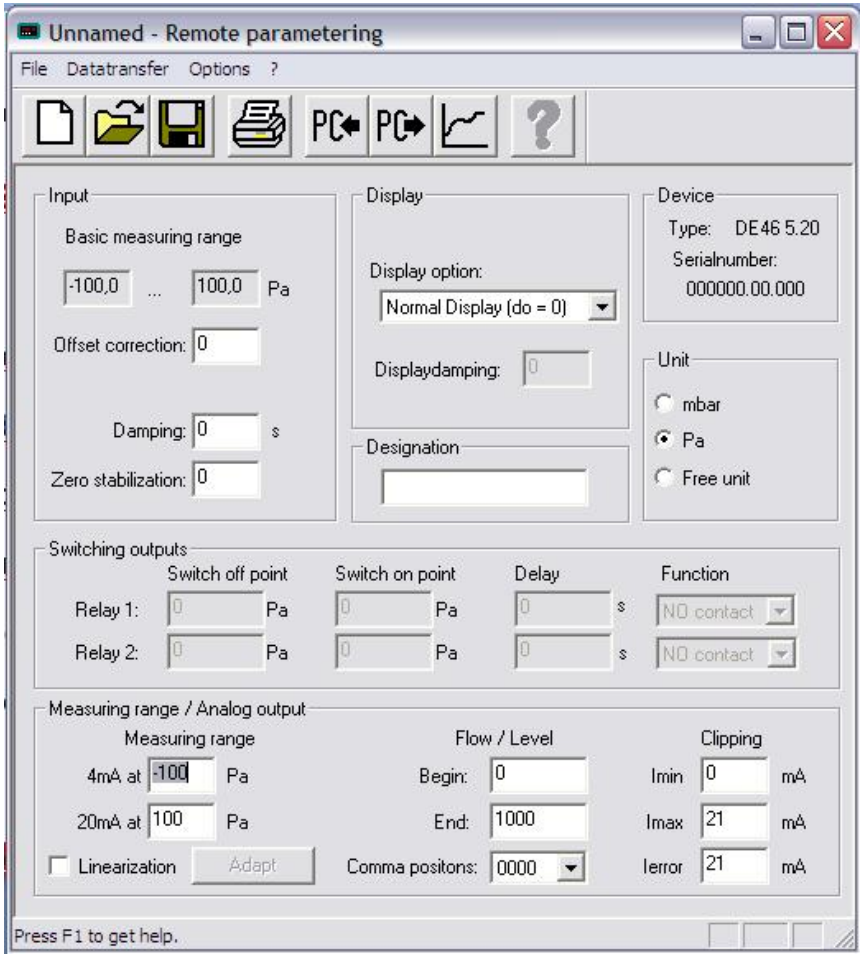
RT03 Room pressure sensor with wall duct

RT02 Calibration valve for wall panels

RT04 Reference pressure distribution

RT 010065
Room pressure sensor with hepa filter

Parameterization of Devices



…. And many application more

Many thanks for your attantion!