

PRODUCT PRESENTATION

—
Version 1.0

STÜBBE





PRODUCT GROUPS



Valves



Pumps



Instrumentation



Fittings

VALVES

ACCESSORIES FOR VALVES

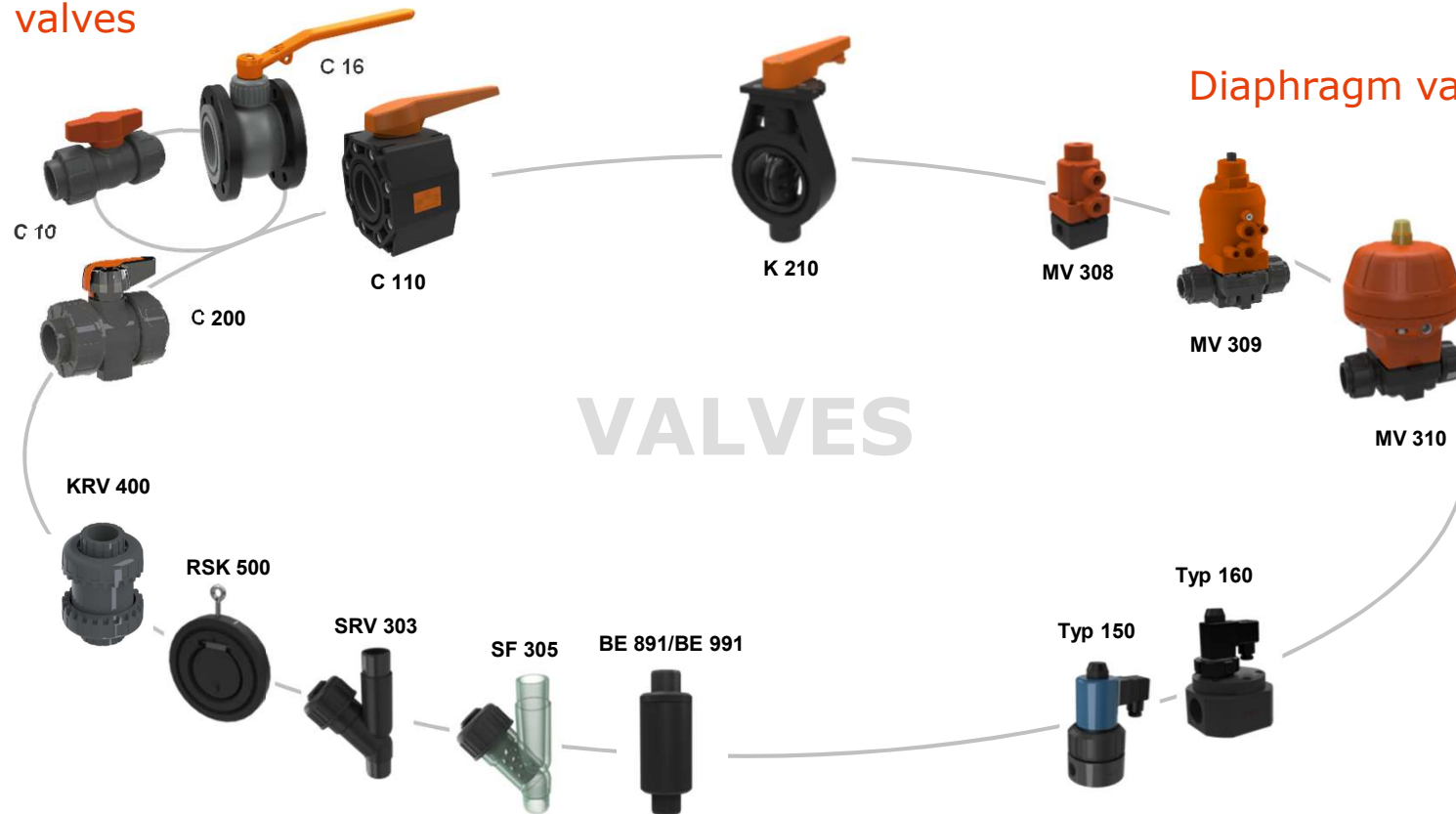




Butterfly valves

Ball valves

Diaphragm valves



Angle seat and check valves

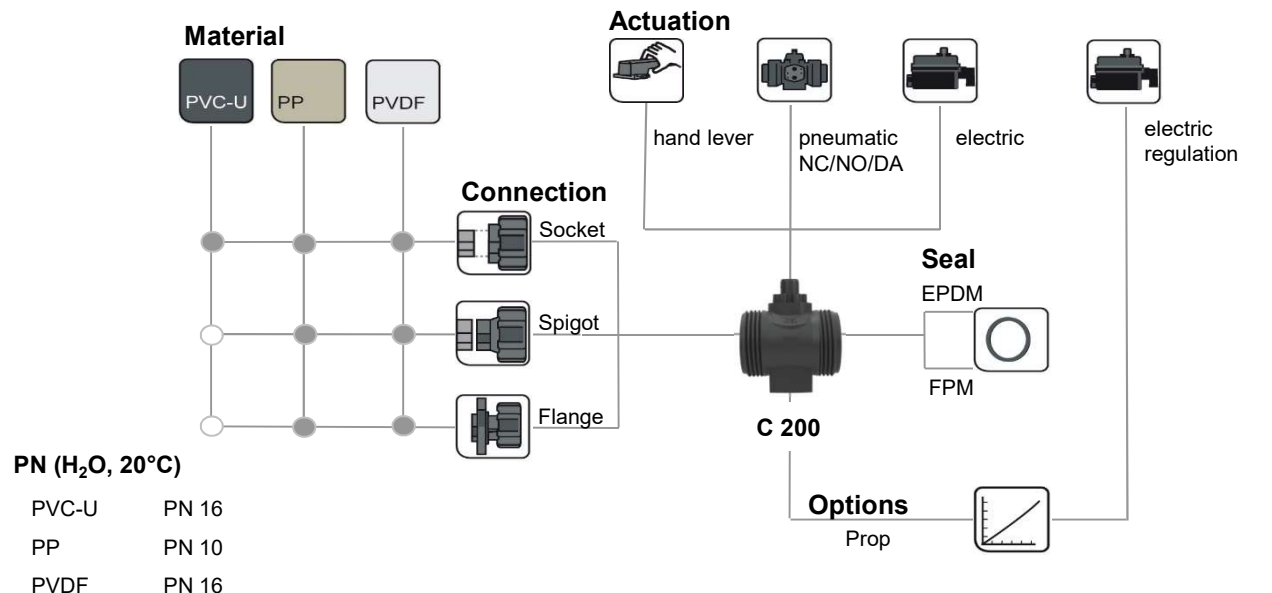
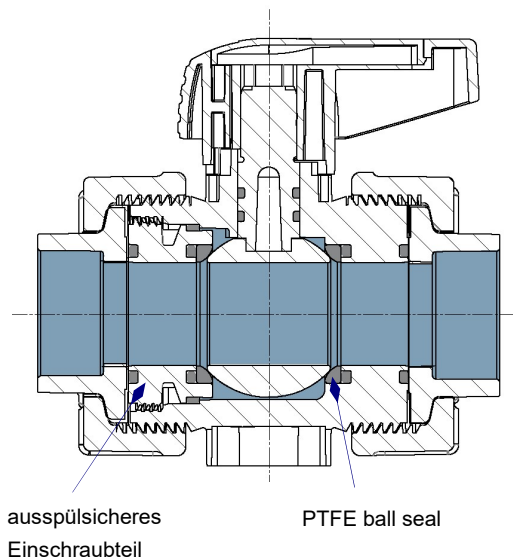
Solenoid valves



BALL VALVE C 200



- high quality industrial valve
- flexible construction kit with a broadly conceived range of variants
- reliable material combination for safe handling of critical media
- new conceived ergonomic handle with „Safety Guard“
- intelligent accessories as well as interfaces for the integration of limit switches and actuators
- integrated mounting bushes



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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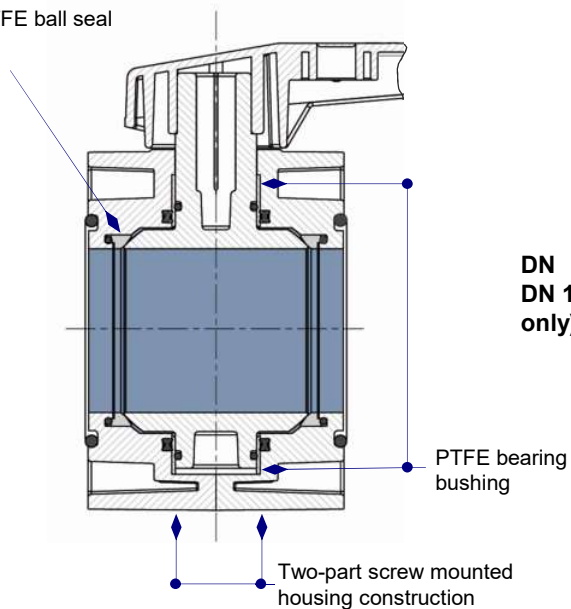


BALL VALVE C 110



- system ball valve, solid version
- space-saving wafer flange version with high-quality stainless steel bushes
- modular upgrading of connection possible up to flange version in DIN face to-face dimension
- excellent flow characteristics
- replaceable ball seat and ball

PTFE ball seal



DN 65 - DN 100
DN 150 (in PVC only)

DN 150

Material



Connection

Wafer type flange

Socket

Spigot

Flange ②

Actuation



manual



pneumatic
NC / NO / DA



electric



C 110

Seal
EPDM



PN (H₂O, 20°C)

DN 65 - DN 125 PN 10
DN 150 PN 6

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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② DIN installation length

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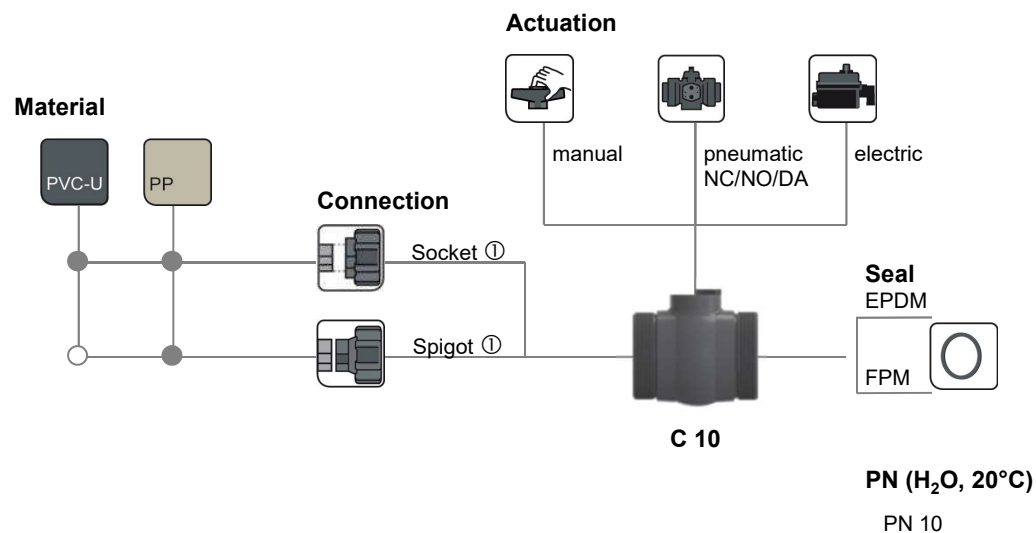
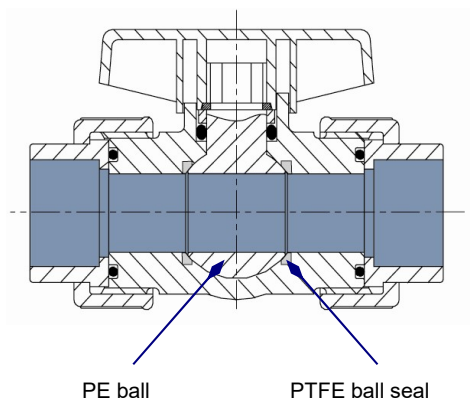
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BALL VALVE C 10



- special ball valve with minimised dead volume
- injection moulded housing
- specially designed spindle for high torques
- retainer nut by DIN 8063
- same installation dimensions as the Profi 101



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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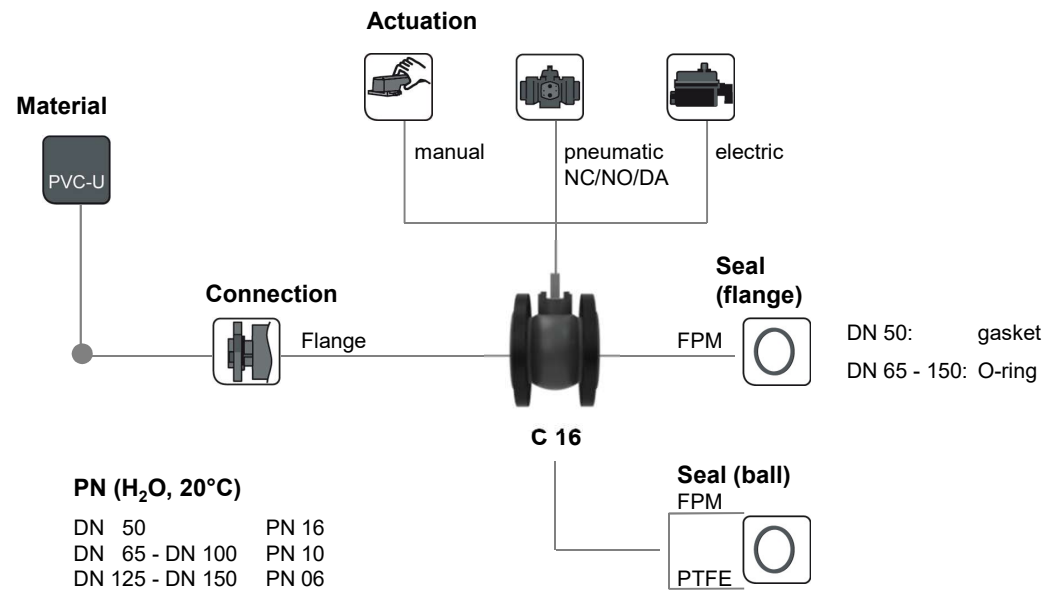
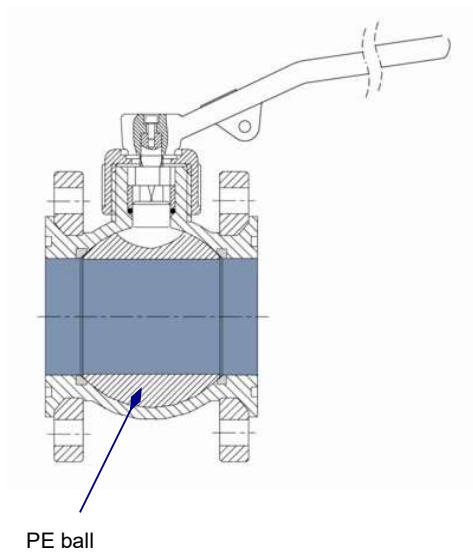
- ① DIN 8063
- available
- not available



BALL VALVE C 16



- for OEM applications
- special ball valve with minimised dead volume
- injection moulded housing
- specially designed s/s-spindle for high torques
- metal handle



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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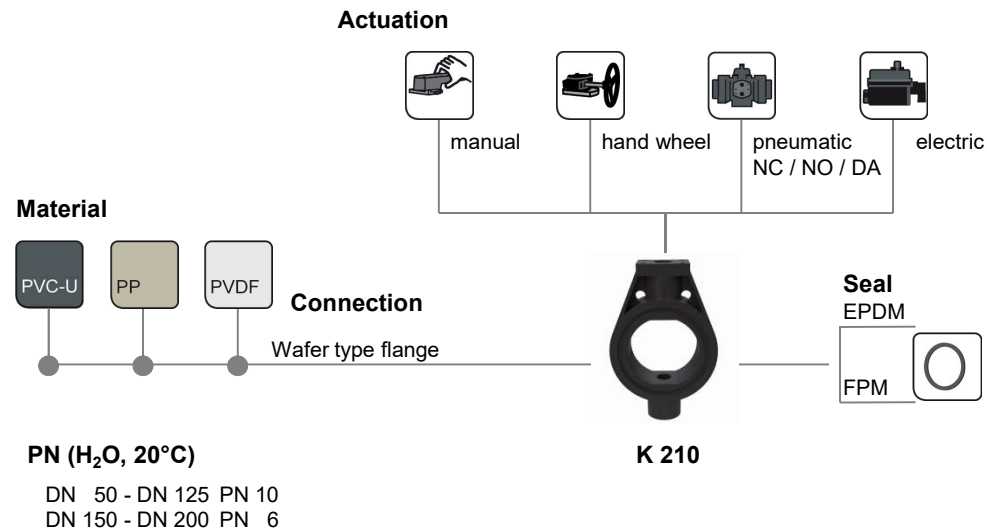
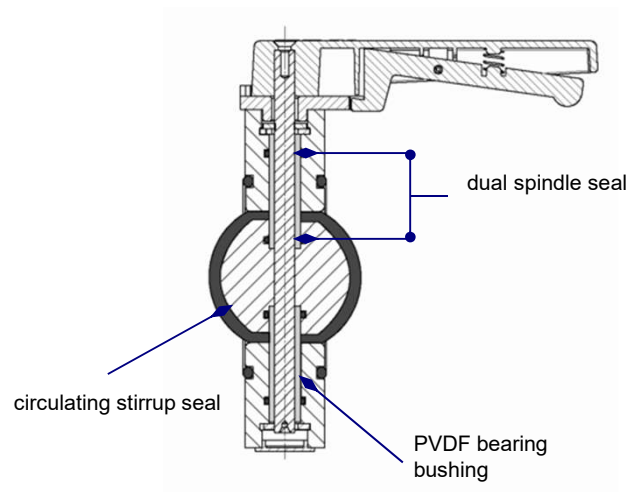


BUTTERFLY VALVE

K 210



- robust chemical valve with clip seal
- stainless steel spindle for reliable power transmission
- additional, double shaft seal
- hand lever with practical locking function
- O rings included in the scope of delivery for wafer type installation



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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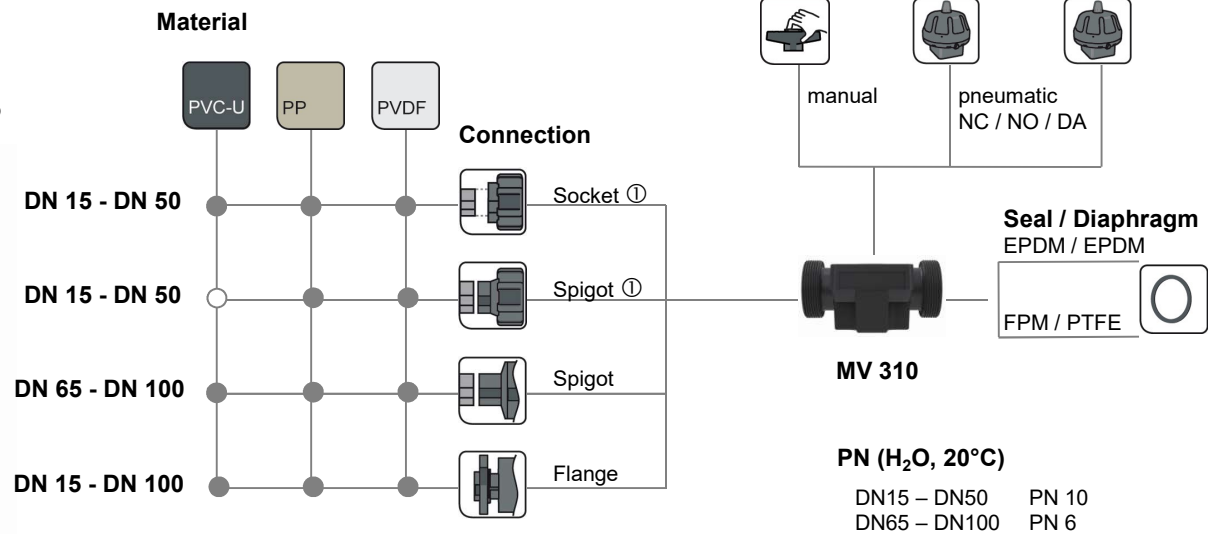
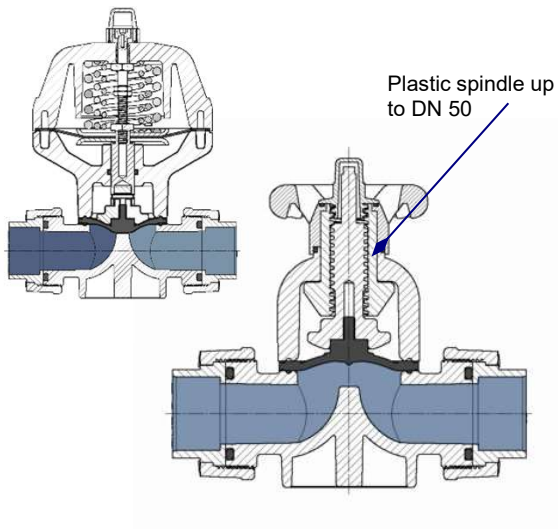
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DIAPHRAGM VALVE MV 310



- reliable and economical
- good control characteristics
- high kv-value
- visual position indicator
- strong pneumatic actuator for up to 10bar mediapressure on both sides



Nominal diameter:

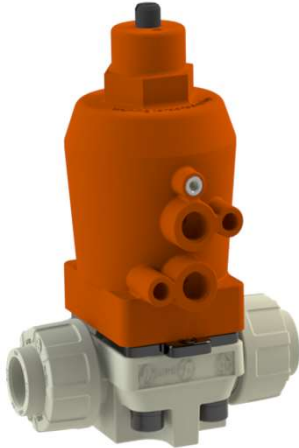
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① DIN 8063

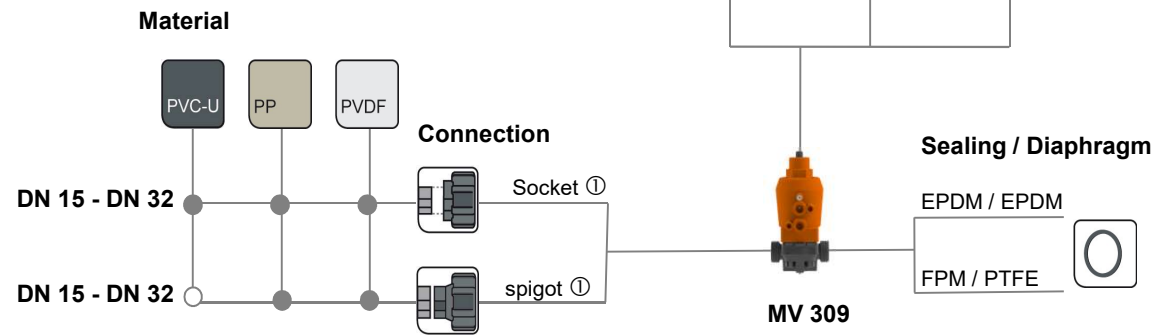
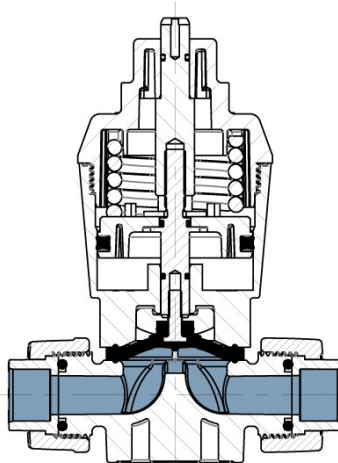
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MEMBRANVENTIL MV 309



- compact designed pneumatically operated valve
- visual position indicator
- common installation length
- air connection according to NAMUR
- maximum control pressure 6 bar



① DIN 8063

Nominal pressure (H₂O, 20°C)

PN 6

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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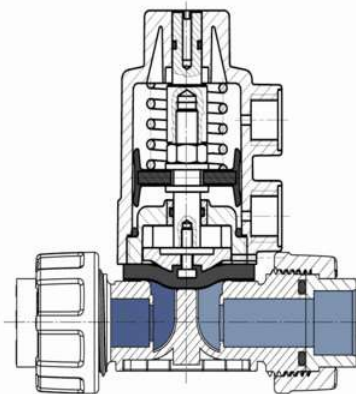
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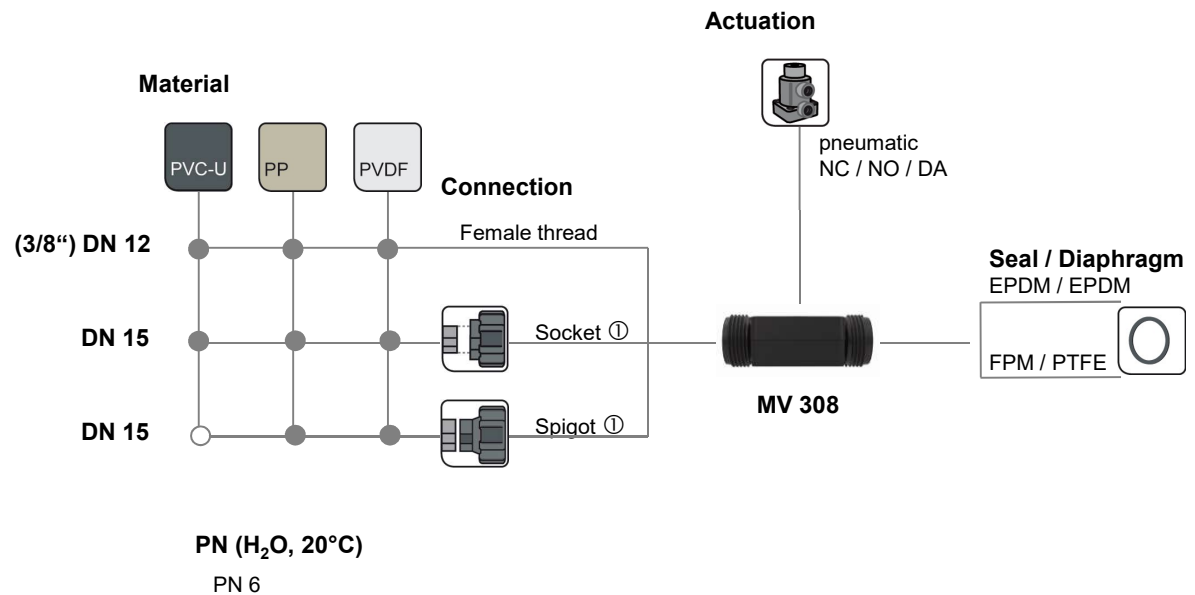
DIAPHRAGM VALVE MV 308



- compact design with high flow capacities
- integrated lift limitation
- visual position indicator
- ideal for realising switching functions in restricted installation spaces



Strömungskörper 90° versetzt gezeichnet



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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① DIN 8063

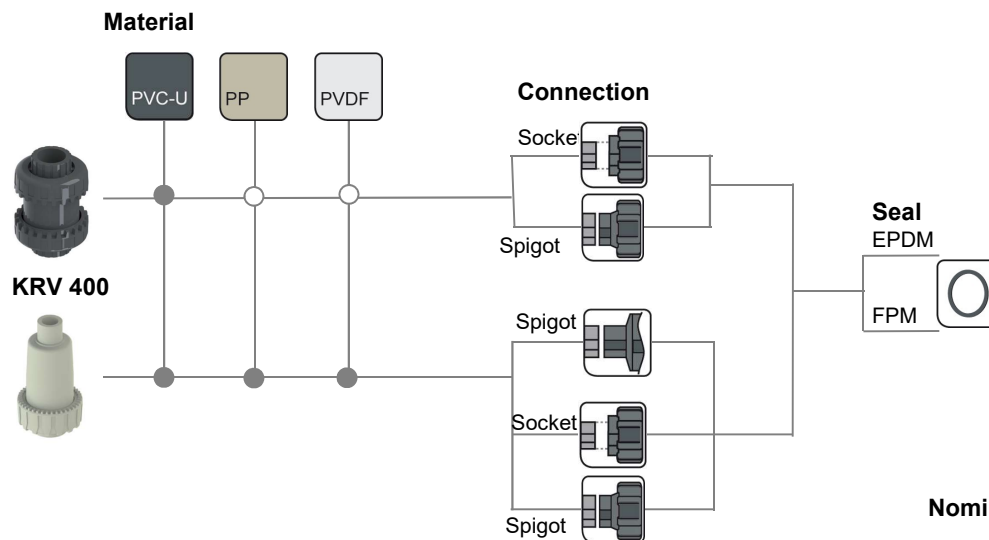
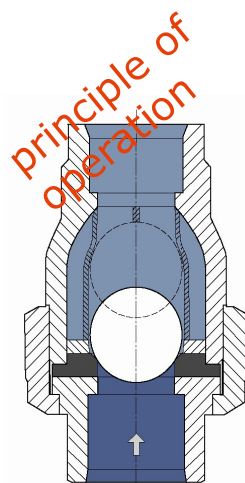
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BALL CHECK KRV 400



- hermetically sealed even at low working pressures
- minimum back pressure for drop tight service 0,2bar (valve in horizontal position)
- corrosion resistant
- maintenance-free
- article of trade



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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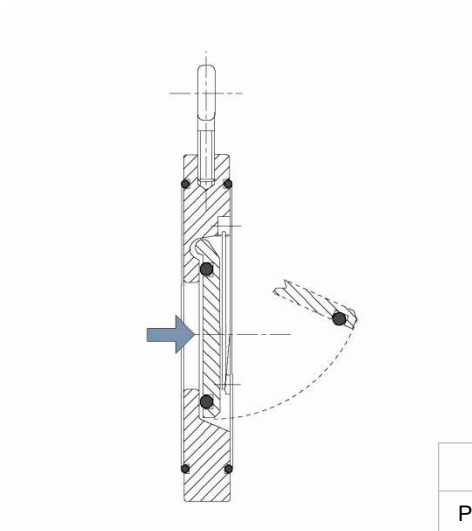
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CHECK VALVES RSK 500



- narrow wafer flange version
- simple design
- O rings included in the scope of delivery for wafer type installation
- horizontal and vertical mounting
- *installation only in combination with installation adaptor*



Material



Connection

Wafer type flange



RSK 500

Seal



Options

Spring loaded



Installation adaptor



PN (H₂O, 20°C)

PVC-U	5 bar
PP	6 bar
PVDF	8 bar

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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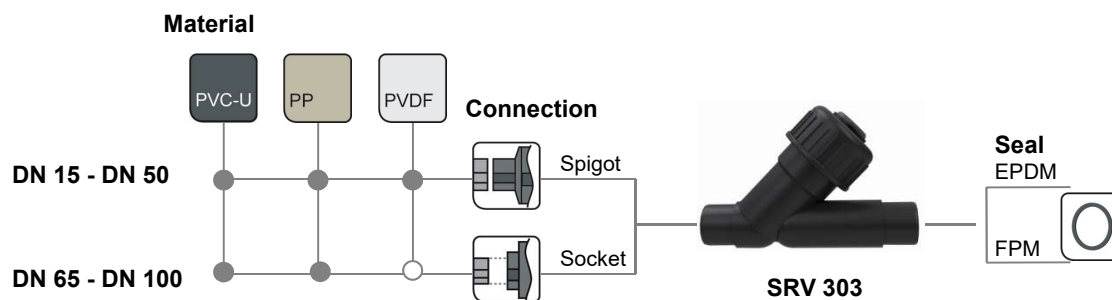
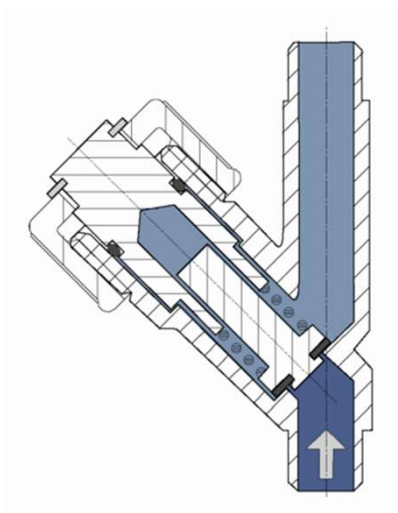
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ANGLE SEAT CHECK VALVE SRV 303



- reliable check valve
- hermetically sealed even at low working pressures
- simple maintenance of the check element without the need to remove the valve
- horizontal and vertical mounting (valve piston always vertical)



PN (H ₂ O, 20°C)				
PN [bar]	≤ DN 50	DN 65	DN 80	DN 100
PVC-U	10 bar	10 bar	6 bar	6 bar
PP	10 bar	6 bar	4 bar	-
PVDF	10 bar	-	-	-

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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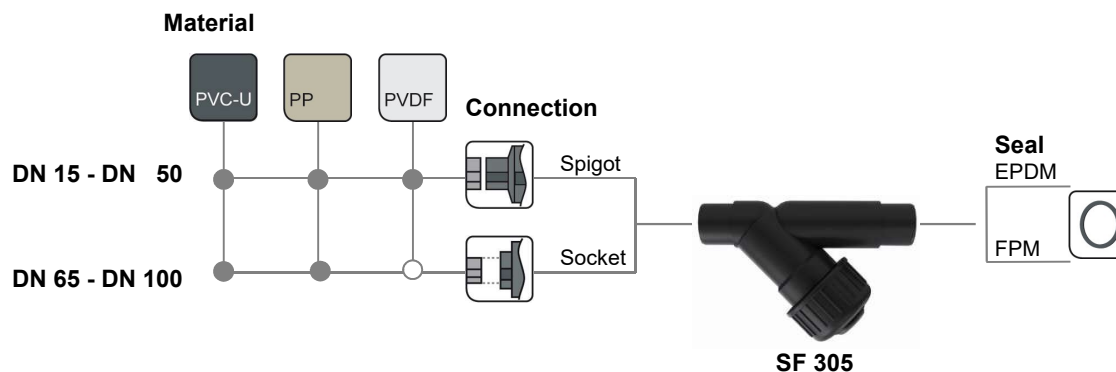
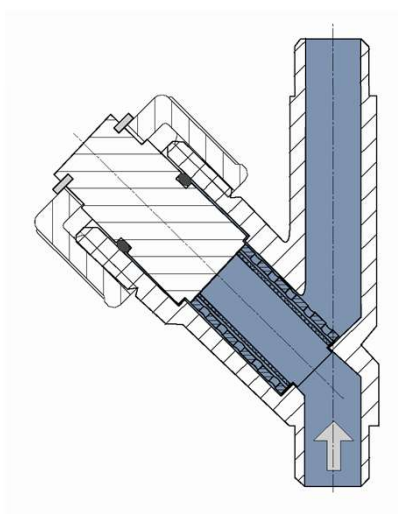
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STRAINER SF 305



- quick and easy access to the filter unit
- PVC version either in RAL 7011 or transparent
- standard mesh size 0.5 mm
- mesh material up to DN50 FEP / from DN65 same as housing material



PN (H ₂ O, 20°C)				
PN [bar]	≤ DN 50	DN 65	DN 80	DN 100
PVC-U	10 bar	10 bar	6 bar	6 bar
PVC trans.	10 bar	6 bar	4 bar	4 bar
PP	10 bar	6 bar	4 bar	4 bar
PVDF	10 bar	-	-	-

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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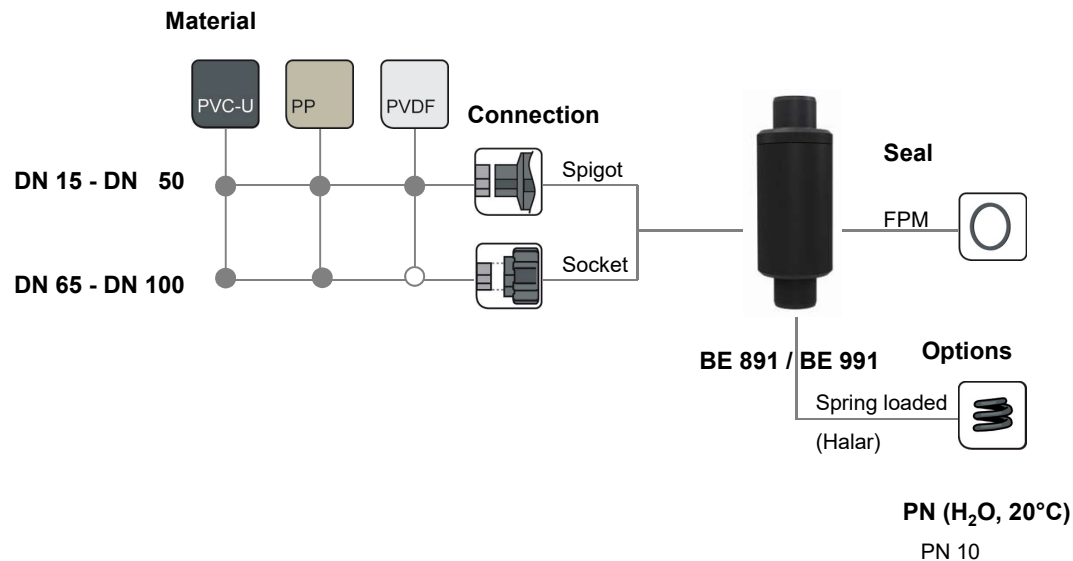
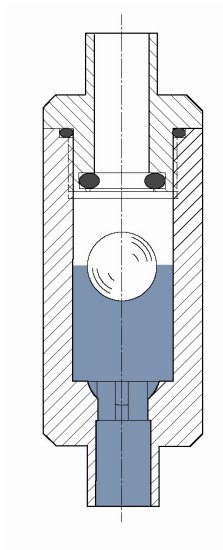
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AERATION AND VENT VALVES BE 891 / BE 991



- for reliable aeration and venting of pipeline systems
- optional aerator (B 895 / B 995) in combination with spring
- reliable and low-maintenance
- ball / float made of PP
- *due to function, only vertical mounting is possible*



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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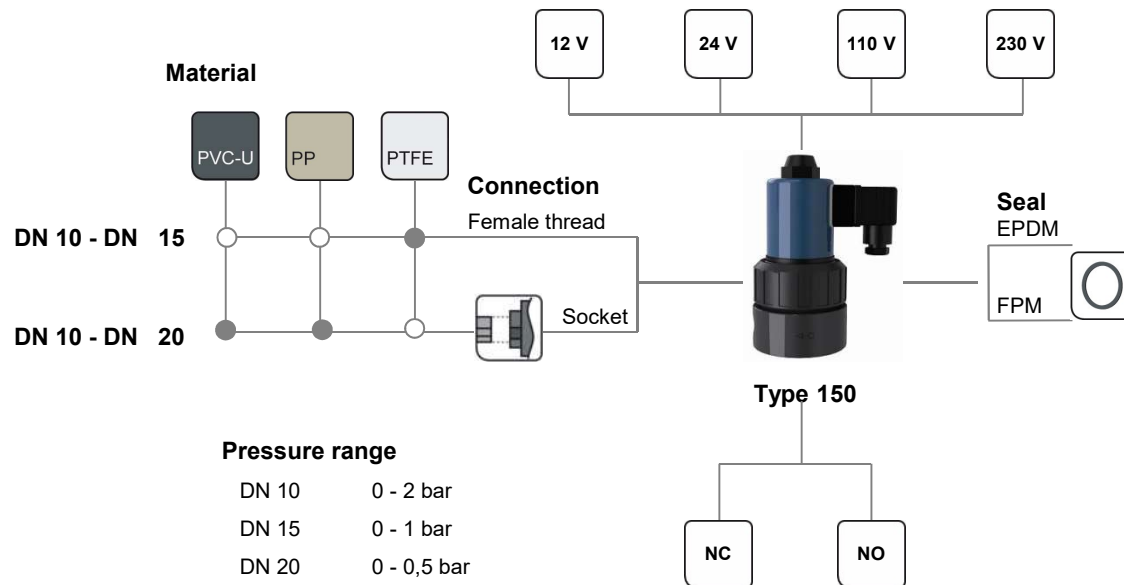
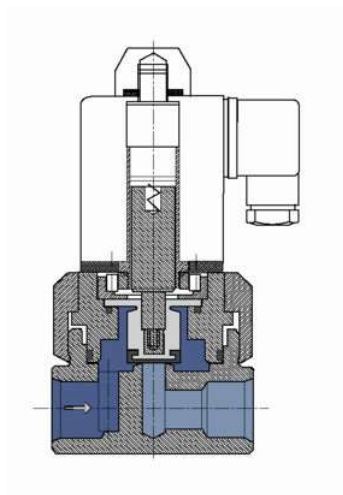
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SOLENOID VALVE TYP 150



- direct acting thermoplastic valve
- fast switching
- core tube sealed by PTFE bellows
- independent of compressed air supply
- wide area of application



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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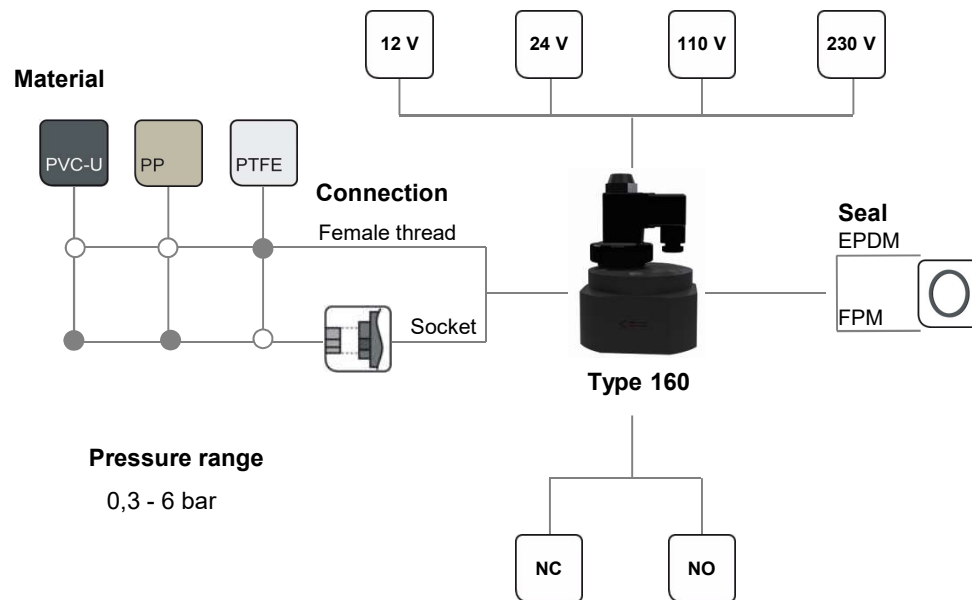
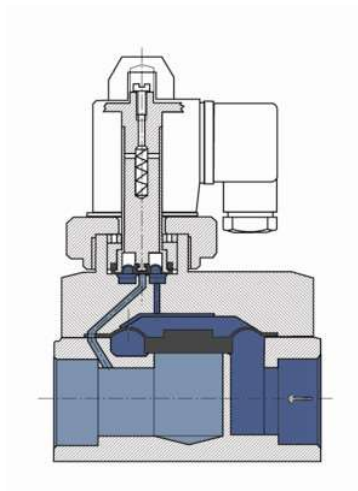
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SOLENOID VALVE TYP 160



- pilot operated thermoplastic valve
 - high switching speeds
 - core tube sealed by isolating diaphragm
 - independent of compressed air supply lines
- due to the system design, a minimum differential pressure of 0.3 bar is required to ensure a perfect function*



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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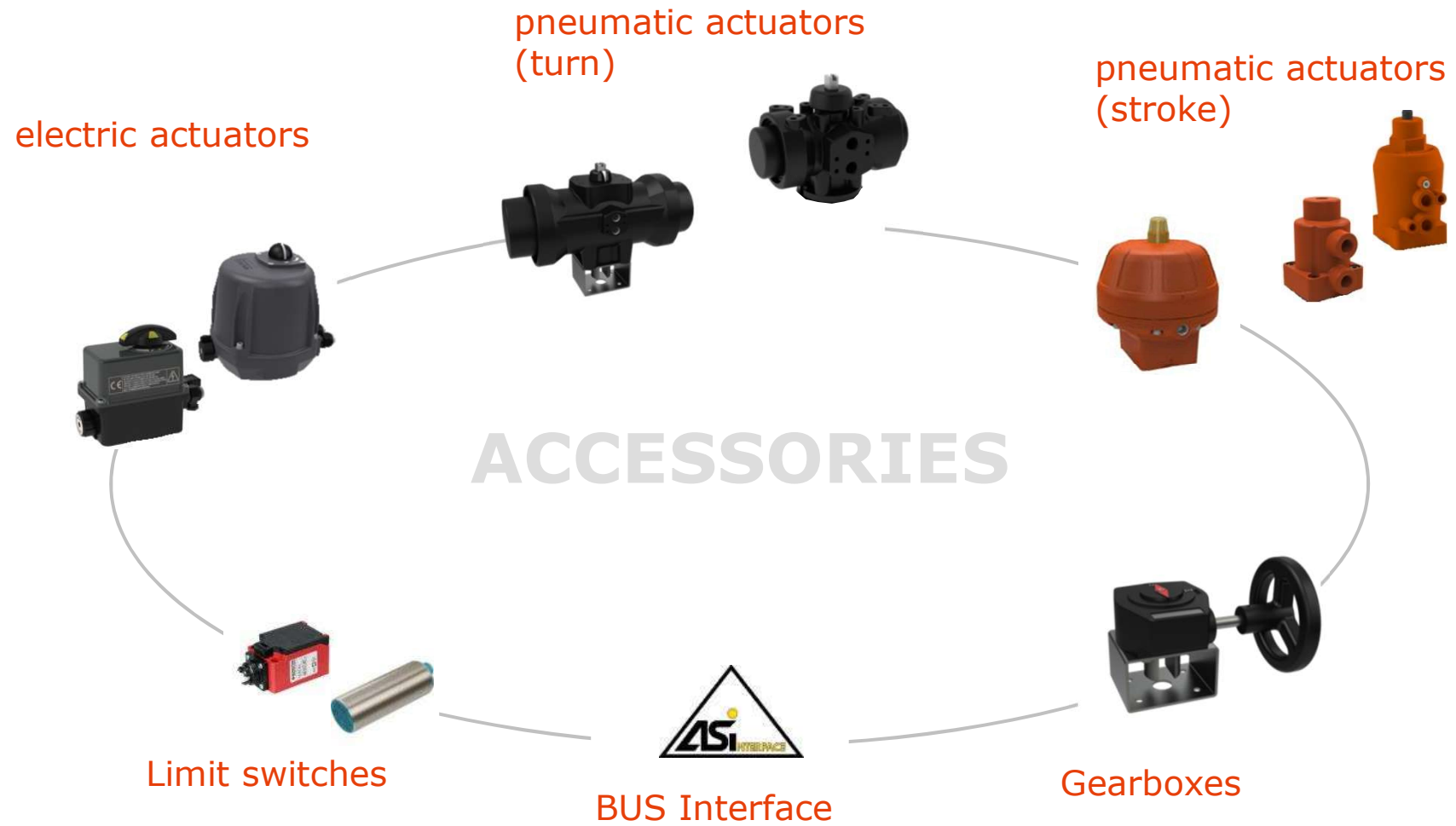
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ACCESSORIES FOR VALVES





STÜBBE





ELECTRIC ACTUATORS

Type A

IP65
30% ED



- powerful 90° actuator
- 24V or 230V
- two adjustable limit switches
- integrated manual override
- ISO 5211 interface

Type B

IP66
50% ED



- powerful 90° / 180° actuator
- Multi-voltage: 90 – 240 V 50/60Hz or 12 – 48 V DC
- two adjustable limit switches
- integrated manual override
- ISO 5211 interface
- additional options such as:
 - additional limit switch
 - “Failsafe”-function
 - feedback signals 0-20mA / 4-10mA / 0-10V
 - positioner for proportional control
(regulation = Type B incl. positioner)



PNEUMATIC ACTUATORS (turn)

- compact design
- robust polymer actuator
- ISO 5211 interface
- many additional options



Accessories:

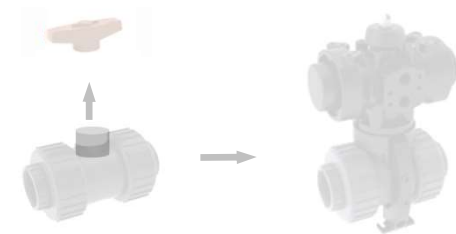
- pilot valves
- limit switches
- ASI Bus control



NC normally closed

NO normally open

DA double acting





MOUNTING KITS

Ball valves old types

C 100, C 10, Profi 101



Ball valve C 110



Ball valve C 200



Ball valve C 16



Butterfly valve K 210



Butterfly valve K 220



Ball valves

Butterfly valves



STÜBBE

PNEUMATIC ACTUATORS (stroke)

- compact design
- robust polymer housing
- optical position indication
- many additional options

MV 310
NC up to DN 50



membrane controlled

Accessories:

- pilot valves
- limit switches
- ASI Bus control



MV 308

MV 309

piston-controlled

NC normally closed

NO normally open

DA double acting



HAND WHEELS

- robust metal designs
- with high efficiency self-locking cogging
- incl. optical position indication
- maintenance-free



K 220

Direct mounted



K 210

Incl. s/s mounting
adaptor





LIMIT SWITCHES

Micro switches (mechanical)



- Function: position feedback / control
- require direct mechanical contact / actuation
- different versions with operation voltages up to 250 VAC / 8A
- different mounting types (open at lever or integrated in the housing or actuator)



Proximity switches (inductive)



- Function: position feedback / control
- touch-less actuation
- actuated by metal parts moving by in a distance of approx. 5 - 10mm
- different types (transistor / Namur)



AS INTERFACE



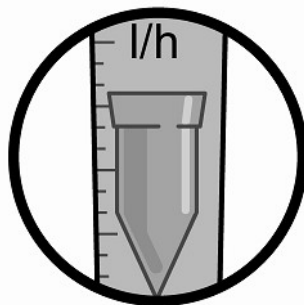
- AS- Interface for the pneumatic ASV actuators
- different versions (stroke / turn actuators)
- incl. stroke control and pneumatic control
- easy installation by two wire cable and self-cutting clamps
- up to 62 BUS terminals / parallel positions / lead length up to 100m
- interface for upper field bus systems, e.g. Profibus



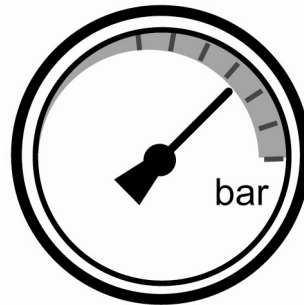
INSTRUMENTATION

mechanic

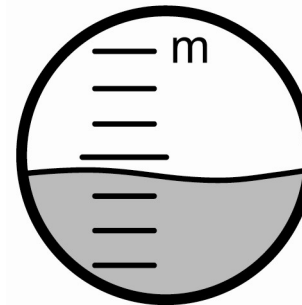
electronic



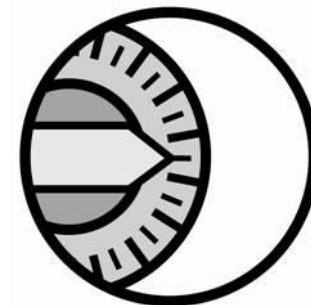
Flow



Pressure



Level

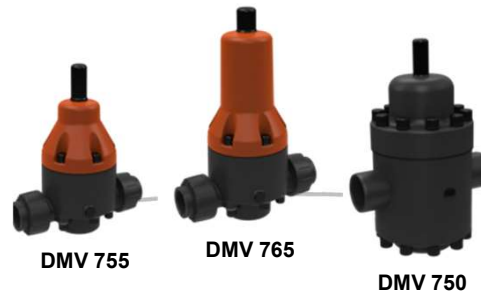


Dosing

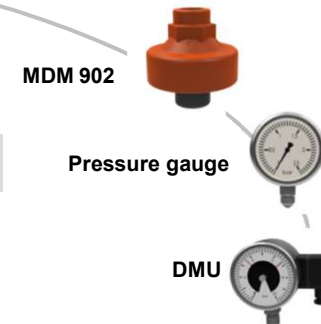


Pressure reducing valve

Flow metering



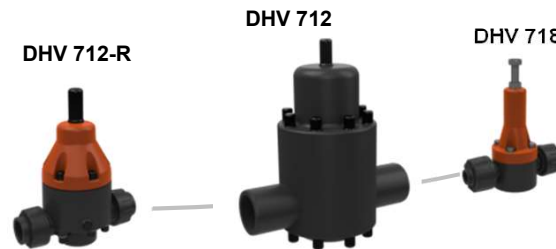
Pressure measuring



INSTRUMENTATION (mechanic)



Dosing ball valves
Water-jet pumps



Pressure relief valves





FLOW METER DFM 165 - DFM 350



- large selection of measuring ranges, nominal diameters, also for special media
- suitable for a wide range of applications for gaseous media, water, brines, acids
- direct visualisation of the measured values
- accuracy class 4
- integrated mounting rail for flow data sensors

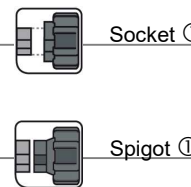


3 l/h bis 50.000 l/h

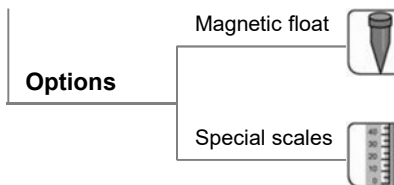
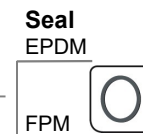
Material



Connection



PN (H₂O, 20°C)
PN 10



① DIN 8063

● available
○ not available

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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FLOW METER ACCESSORIES



ZE 950

- mono-stable limit value switch (the switch is open in the standard version and only closed within the magnetic field of the float)



ZE 951

- bi-stable limit value switch (the switch has two switching positions that are maintained until the actuating magnet moves past the switch again)





FLOW METER ACCESSORIES



ZE 3000

- magnetic angle sensor for continuous measurement
- 0/4 .. 20 mA output



ZE 3075

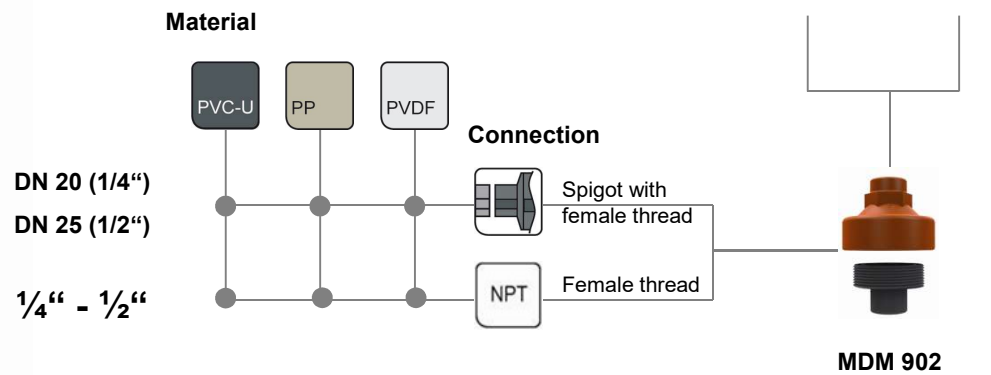
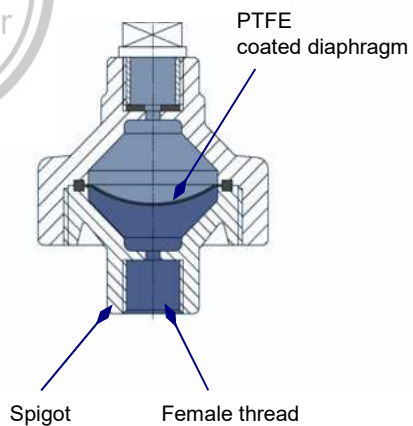
- reed chain for continuous measurement
- 0/4 .. 20 mA output
- suitable for flow meters DFM 165 - 200



DIAPHRAGM PRESSURE GAUGE GUARD MDM 902



- reliable protection of pressure gauges from aggressive media
- reliable pressure transmission due to generously dimensioned diaphragm
- practical connections
- spigot end version including female thread G (inch)



PN (H₂O, 20°C)
PN 10

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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○ not available



PRESSURE GAUGE



- Reliable pressure gauge in high-quality chemical version
- process connection and housing made of stainless steel
- inspection display made of safety glass



Housing [mm]	63	100	160
Connection [Inch]	1/4"	1/2"	1/2"
Measuring range [bar]	0 – 2,5		
	0 – 4,0		
	0 – 6,0		
	0 – 10,0		
Accuracy class	1,6	1,0	1,0

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



ELECTRIC/ELECTRO-MECHANIC CONVERTER

Pressure transmitter DMU



IP 65

- high-quality pressure transducer for industrial applications
- output signal 4..20 mA / 2-wire
- voltage supply 10 - 30 V
- pressure range 0 - 10 bar
- stainless steel device connection



Contact manometer 821.21



IP 65

- for control and regulation of industrial processes, plant monitoring and direct switching of 230 VAC electric circuits
- high degree of reliability and long service life
- version 821.21 with 2 freely adjustable switching contacts (first contact opens when value is exceeded / second contact closes when value is exceeded)
- stainless steel device connection

Measuring range [bar]
0 - 4,0
0 - 6,0
0 - 10,0

Nominal diameter:

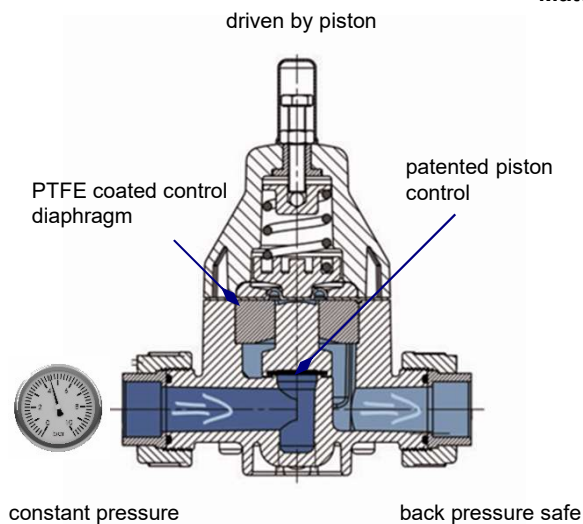
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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○ not available

PRESSURE RELIEF VALVE DHV 712-R



- most powerful thermoplastic pressure relief valve with patented piston control
- for constant working pressures even in systems with counter-pressure
- constant, low vibration control behaviour
- simple pressure setting possible at any time, also during operation
- 100% back pressure free in the position of rest

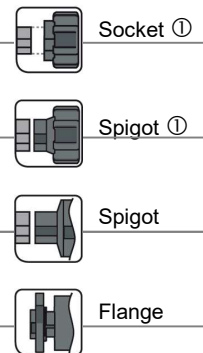


Setting range: 0,3 - 10 bar

Material

	PVC-U	PP	PVDF	PTFE+C	1.4571	Connection
Socket ①	Compatible (Black dot)	Compatible (Black dot)	Compatible (Black dot)	Incompatible (White circle)	Incompatible (White circle)	Socket ①
Spigot ①	Incompatible (White circle)	Compatible (Black dot)	Compatible (Black dot)	Incompatible (White circle)	Incompatible (White circle)	Spigot ①
Spigot	Compatible (Black dot)	Compatible (Black dot)	Compatible (Black dot)	Incompatible (White circle)	Incompatible (White circle)	Spigot
Flange	Compatible (Black dot)	Compatible (Black dot)	Compatible (Black dot)	Incompatible (White circle)	Incompatible (White circle)	Flange
Female threads	Incompatible (White circle)	Incompatible (White circle)	Incompatible (White circle)	Compatible (Black dot)	Compatible (Black dot)	Female threads

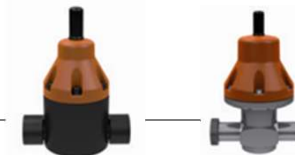
Connection



Female threads



DHV 712-R



Seal
EPDM



PN (H₂O, 20°C)

PN 10

① DIN 8063

● available

☐ not available

Nominal diameter:

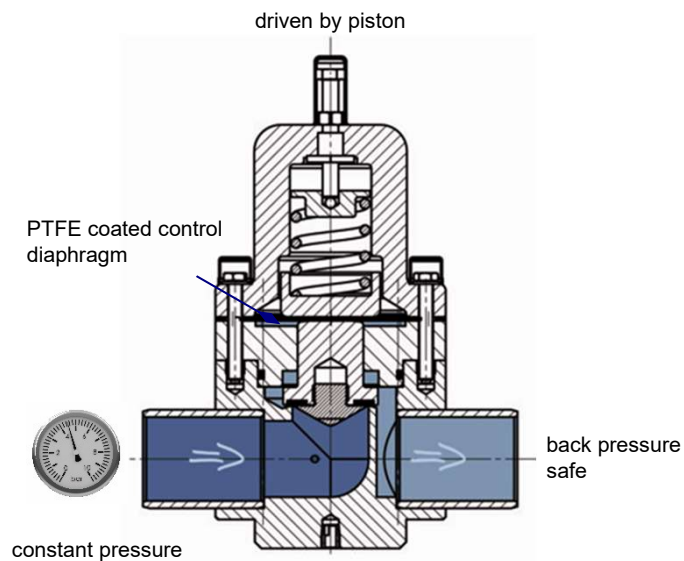
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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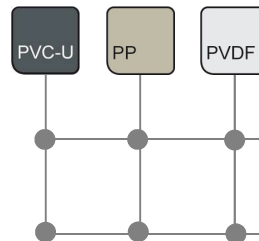
PRESSURE RELIEF VALVE DHV 712



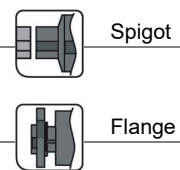
- most powerful thermoplastic pressure relief valve for large nominal diameters
- two optional pressure ranges per nominal diameters
- for constant working pressures even with counter-pressure in the system
- constant, low vibration control behaviour
- simple pressure setting possible at any time, also during operation
- 100% back pressure free in the position of rest



Material



Connection



Seal



Measuring range	DN 65	DN 80	DN 100
0,3 - 4,0 bar	●	●	●
0,5 - 10,0 bar	●	●	○
0,5 - 6,0 bar	○	○	●

PN (H₂O, 20°C)

PN 10

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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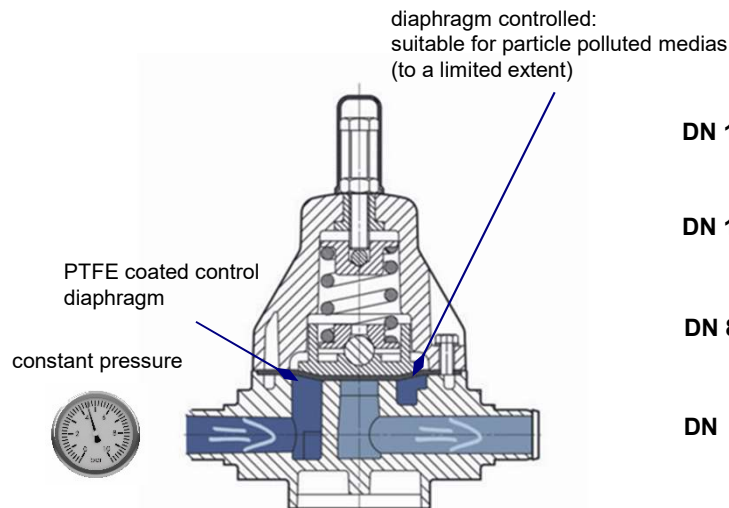
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○ not available



PRESSURE RELIEF VALVE DHV 718



- diaphragm controlled pressure relief valve with piston guidance
- simple design, reliable function
- particularly suitable for oscillating pumps
- constant, frictionless and low vibration control behaviour
- high reproducibility of the set pressure
- simple pressure setting possible at any time, also during operation



Setting range: 0,5 - 10 bar

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------

	Material				Connection		
	PVC-U	PP	PVDF	1.4571			
DN 10 - DN 50	●	●	○	○	Spigot		
DN 10 - DN 50	●	●	○	○	Flange		
DN 8	●	●	●	○	Socket		
DN 10 - DN 50	●	●	○	○	Spigot		
DN 10 - DN 50	●	●	○	○	Socket		
DN 10 - DN 50	○	○	○	●	Female thread		

PN (H₂O, 20°C)
PN 10

Seal
EPDM
FPM

Seal
EPDM
FPM

① DIN 8063

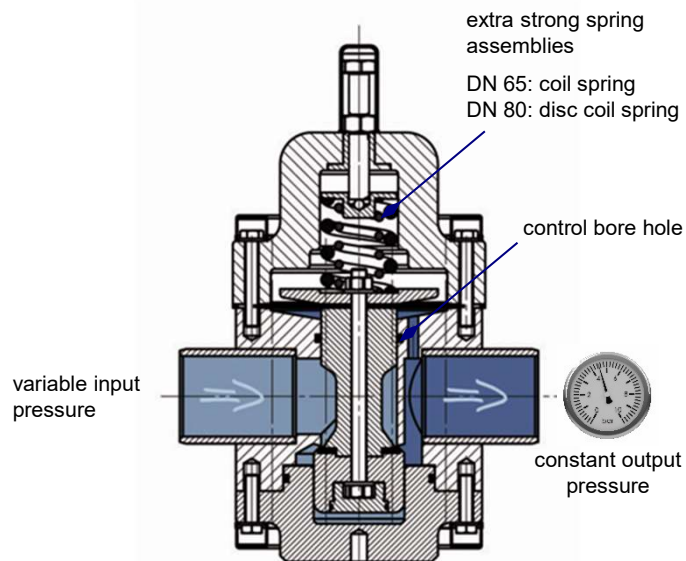
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PRESSURE REDUCING VALVE DMV 750

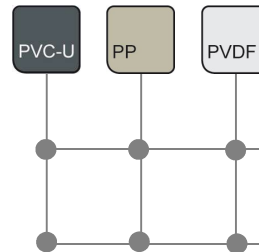


- control valve for large capacities
- for reliable reduction of system pressures to virtually constant working pressures
- constant, low vibration control behaviour
- high reproducibility of the set pressure
- pressure setting possible at any time, also during operation
- large setting range

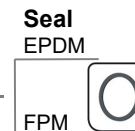
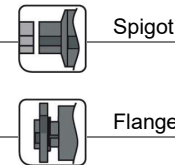


Setting range: 1,0 – 6,0 bar

Material



Connection



PN (H₂O, 20°C)
PN 10



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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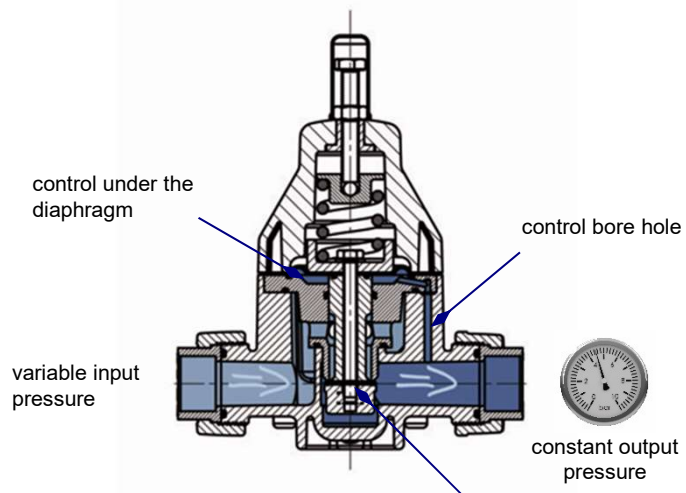
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○ not available



PRESSURE REDUCING VALVE DMV 755



- control valve for reliable reduction of system pressures to constant working pressures
- constant, low vibration control behaviour
- high reproducibility of the set pressure
- pressure setting possible at any time, also during operation
- large setting range



Setting range: 1,0 – 9,0 bar

guided piston
with seat seal

Material

PVC-U

PP

PVDF

Connection

●	●	●		Socket ①
○	●	●		Spigot ①
●	●	●		Spigot
●	●	●		Flange



DMV 755

Seal
EPDM

FPM

PN (H₂O, 20°C)

PN 10

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------

① DIN 8063

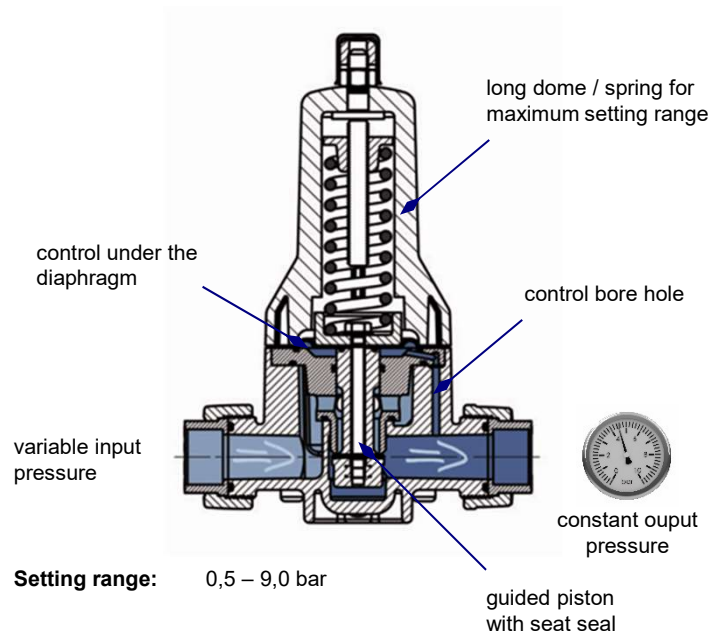
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○ not available



PRESSURE REDUCING VALVE DMV 765



- control valve for reliable reduction of system pressures to constant working pressures
- constant, low vibration control behaviour
- high reproducibility of the set pressure
- pressure setting possible at any time, also during operation
- maximum setting range

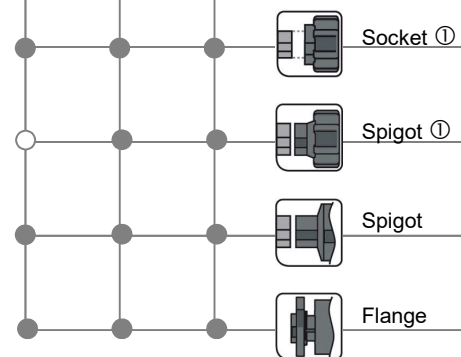


Setting range: 0,5 – 9,0 bar

Material



Connection



DMV 765

Seal
EPDM

FPM

PN (H₂O, 20°C)
PN 10

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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① DIN 8063

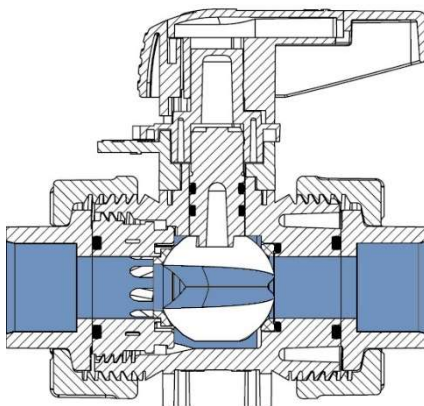
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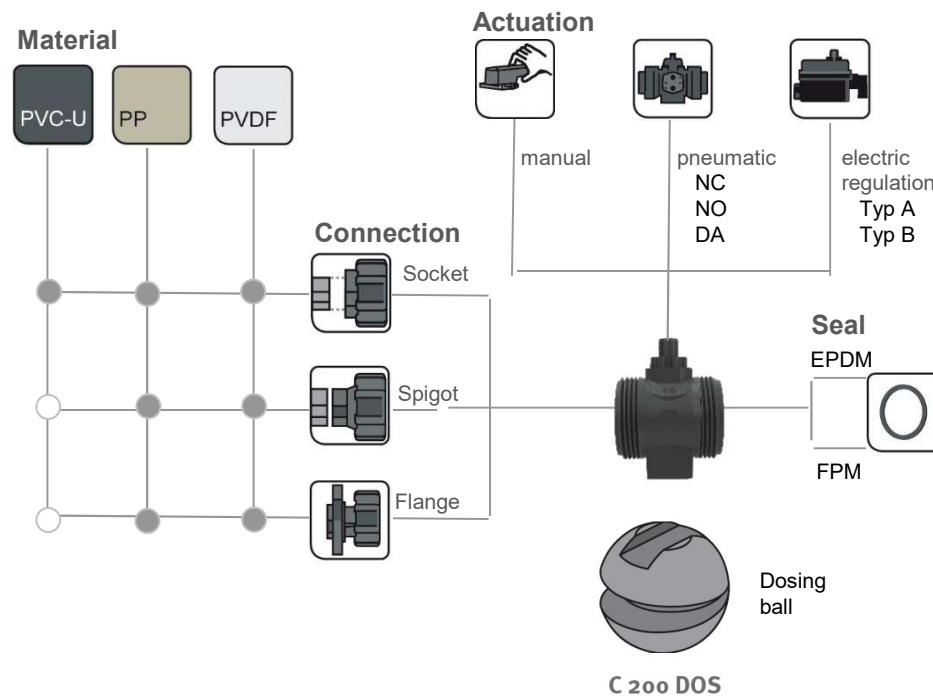
DOSING BALL VALVE C200 DOS



Nennweite DN 10–25
Nennweite 3/8"–1"
Nenndruck PN 10–16 bar



- Dosing ball valve based on the C 200
- Finely adjustable using 180° opening angle
- Reproducible settings by means of 180° scale disk / scale division 5°
- Simple automation using electric variable speed actuators
- Flow rate max. 2,000 l/h (DN 25)



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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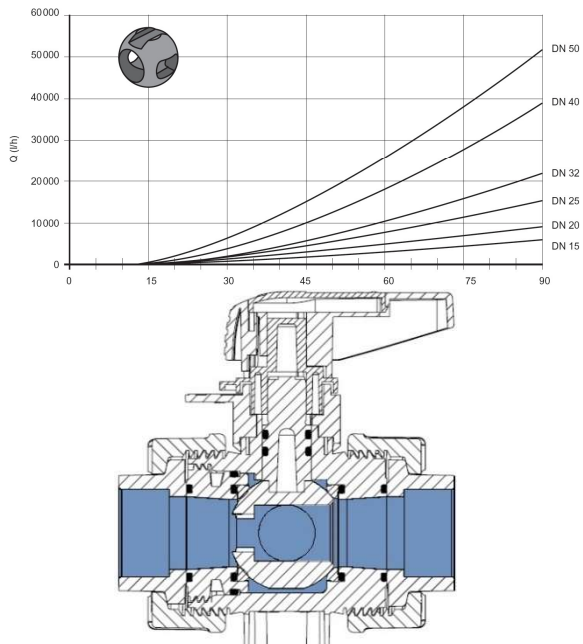
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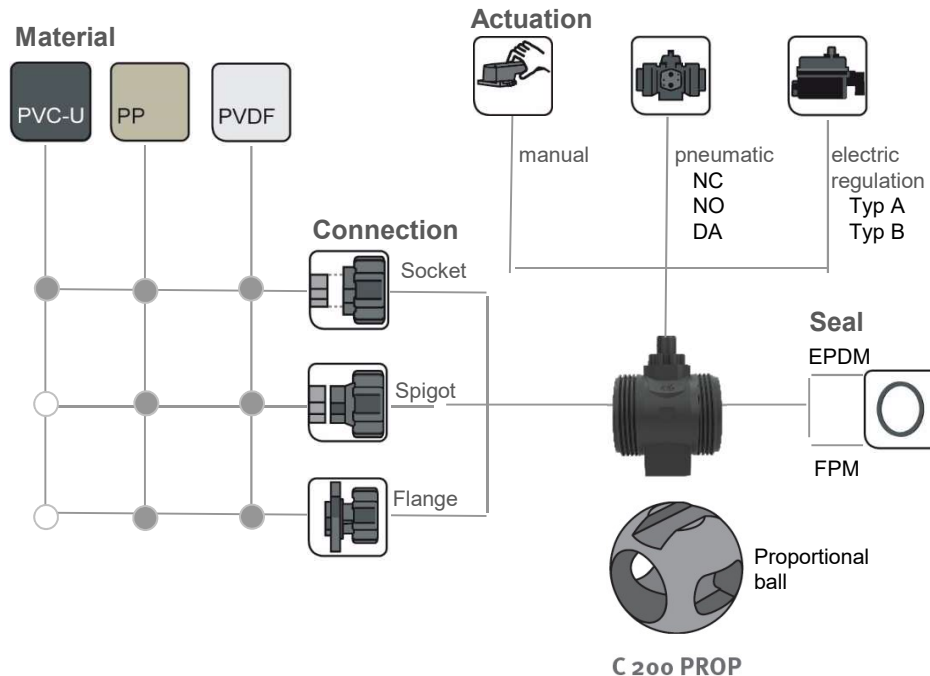
PROPORTIONAL BALL VALVE C200 PROP



Nennweite DN 10–50
Nennweite 3/8"–2"
Nenndruck PN 10–16 bar



- Proportional ball valve based on the C 200
- Patented ball geometry with proportional characteristic curve (linearised connection of flow quantity and opening angle)
- Simple automation using electric variable speed actuators
- Reproducible settings by means of 90° scale disk / scale division 5°
- Flow rate max. 51,000 l/h (DN 50)



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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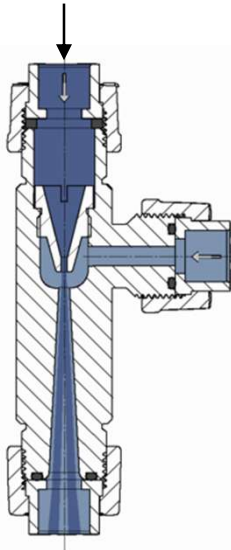
WATER-JET PUMP SP 820



- for admixing, mixing dosing and delivering fluids and gases
- self-priming
- no mechanically moving components
- simple handling
- *supplied with 1mm nozzle (center) bore*



Driving fluid



Suction side

Material

PVC-U

PP

PVDF

Connection



Socket ①



Spigot ①



Spigot



Seal
EPDM

FPM



PN (H₂O, 20°C)

PVC-U PN 16

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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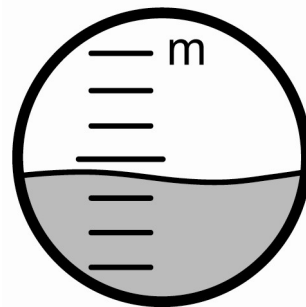


INSTRUMENTATION

elektronisch



Pressure



Level



STUBBE

UNI Display



PSU power
supply unit



Ultrasonic
sensor



UFM 600



UFM 200



Hydrostatic sensor



HFT

HFB



INSTRUMENTATION (electronic)

Pressure / temperature
sensor



PTM

NIS



Membrane switch

CFP



Conductive switch

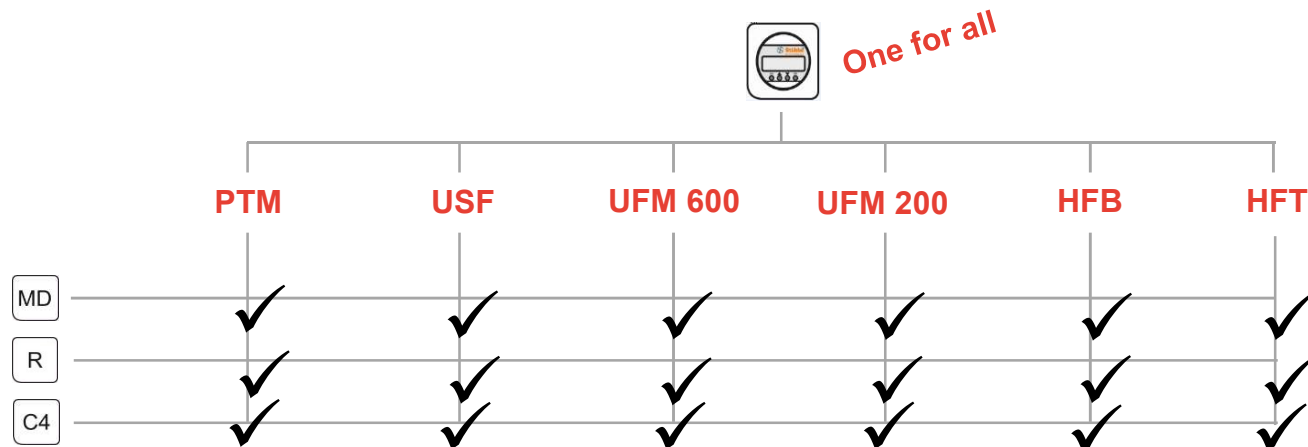




UNI DISPLAY



- “one for all” display and handling unit
Various sensors and sensor types can be handled with just one display (level / pressure / temperature also for several sensors in one machine)
- Including mini SD card slot for data logging and update functions of firmware / settings
- Integrated real time clock for data logger application
- multilingual
- for two alternative output boards
C4 = current output 0/4 – 20mA
R = Relay output





PSU POWER SUPPLY UNIT

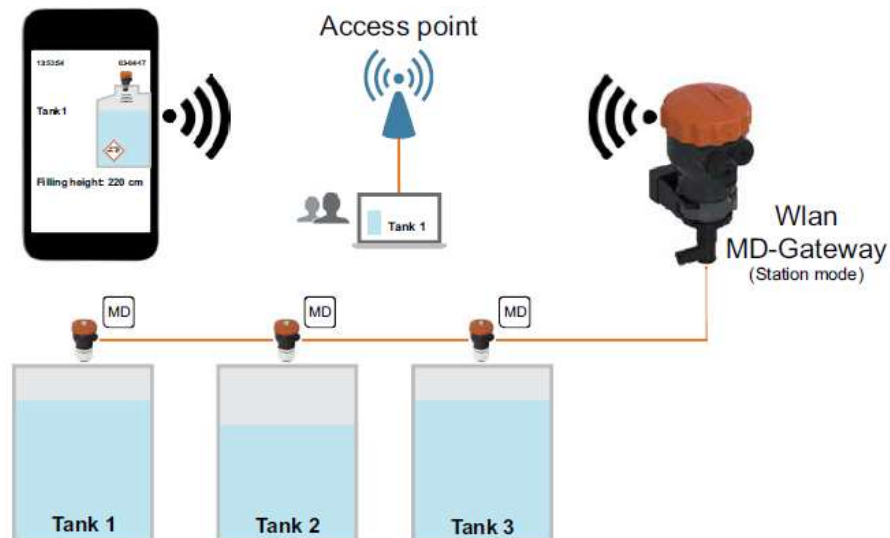


MD-Gateway

The MD gateway wifi provides two options for having MD sensor values displayed externally.

In **Station mode** (Fig. 1) the MD Gateway can be integrated into a company network via an Access point. The signal can then be processed using HMI or SCADA applications. Furthermore there is the option of using mobile devices to access the values in the company network.

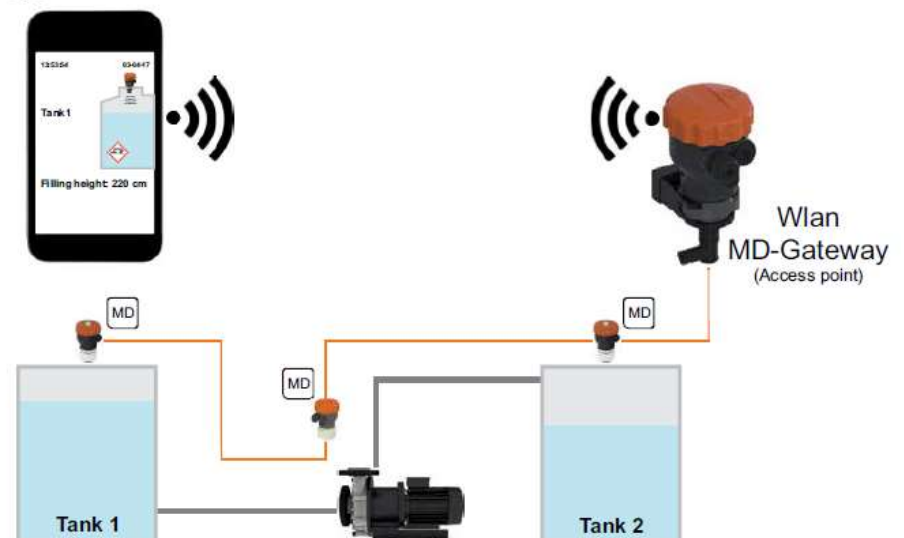
Fig. 1



- For power supply of one or more sensors
- Protected against short circuit, overload and over temperature
- Low standby power consumption
- Splash-proof housing
- Wall mounting
- Optional with Wifi module MD for sensors

With the **Access point** option (Fig. 2), the MD sensor values can be displayed directly on mobile devices, such as smartphones or tablet PCs. This makes it possible to have, for instance the filling levels of external depots, displayed without a company network.

Fig. 2





PRESSURE AND TEMPERATURE SENSOR PTM

- pressure- and temperature sensor made of Al₂O₃
- ideal as pump guard, for filter and process monitoring
- pressure range up to 10 bar
- available in 2 standard designs: compact / flex
- resolution: 0,1 mbar
- accuracy: 1% @ room temperature 25°C

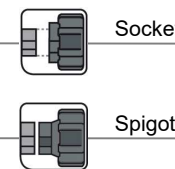


Process connection by DIN union
end / union nut DN25

Material



Connection



Display (optional)



Output signal

4x relay

4 x current (pressure /
temperature)

compact

flex



DN 25

Seal

EPDM
FPM
PFA



Input signal



Pressure Temperature

0...10 bar -10...100 °C

Al₂O₃ Sensor

Nominal diameter:

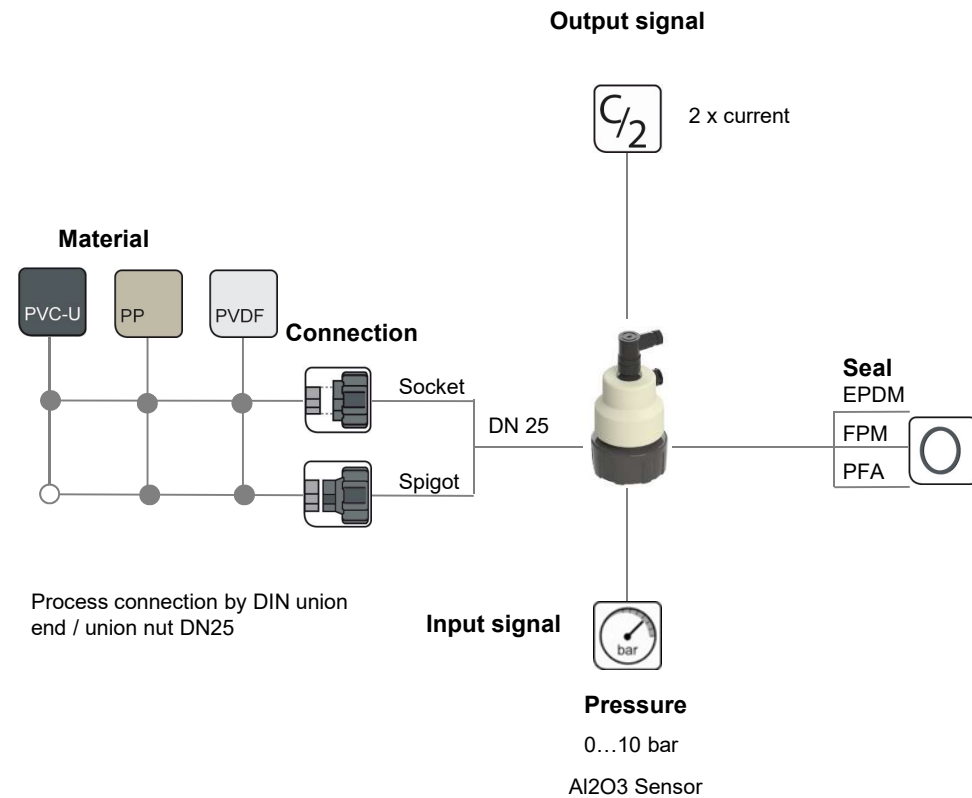
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



PRESSURE SENSOR PTM C2

- compact pressure sensor made of Al₂O₃
- C2 two wire current output 4-20mA
- M12 standard connector
- pressure range up to 10 bar
- Display not possible



Nominal diameter:

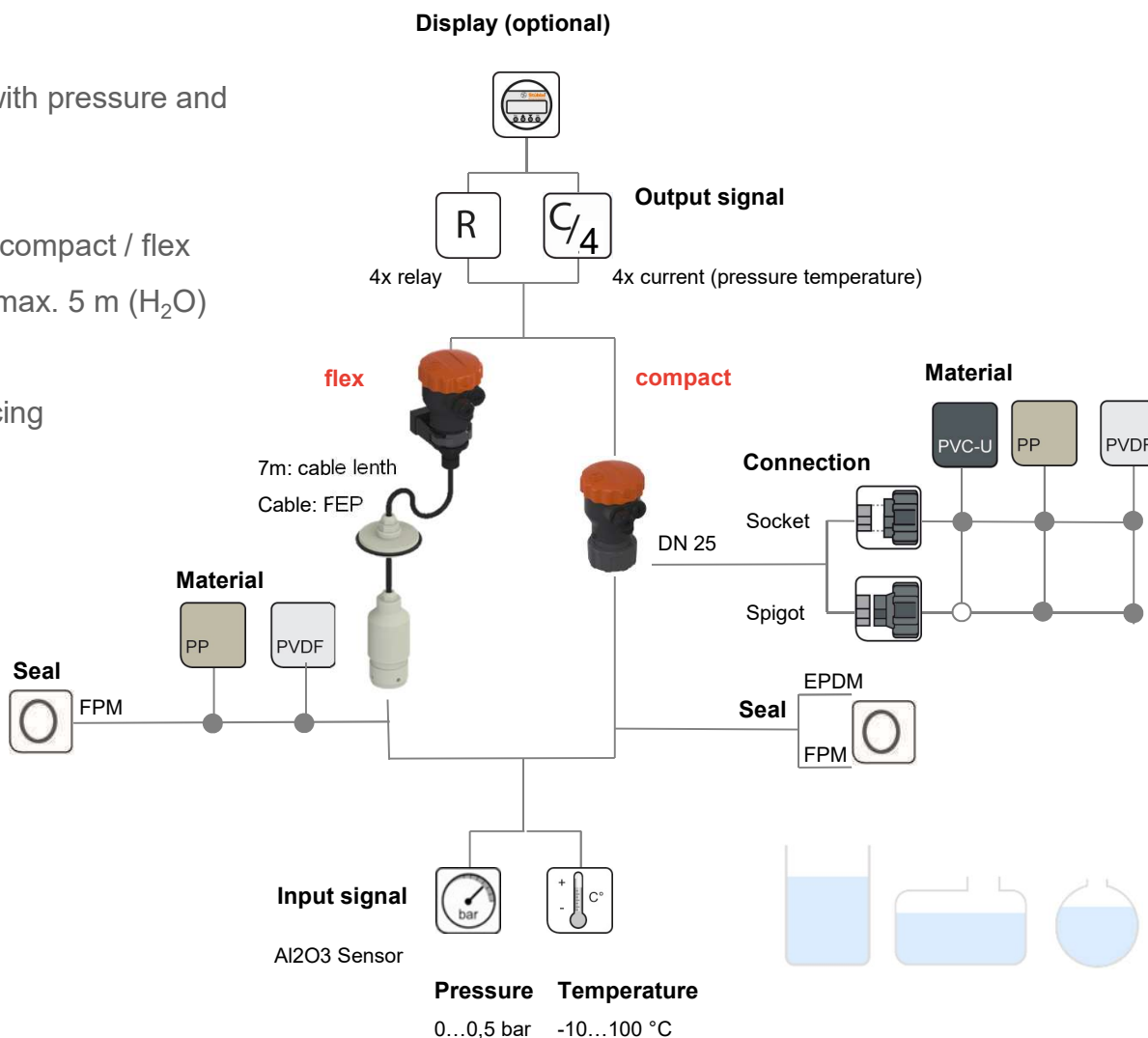
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



FILLING LEVEL AND TEMPERATURE SENSOR HFT COMPACT / FLEX R / C4 / MD

- hydrostatic level determination with pressure and temperature sensor (Al₂O₃)
- ideal for foaming medias
- available in 2 standard designs: compact / flex
- pressure range up to 0.5 bar = max. 5 m (H₂O)
- resolution 1 mm
- accuracy 0,2% FS after referencing
- for non-pressurised containers
- tank shape calculation included



Nominal diameter:

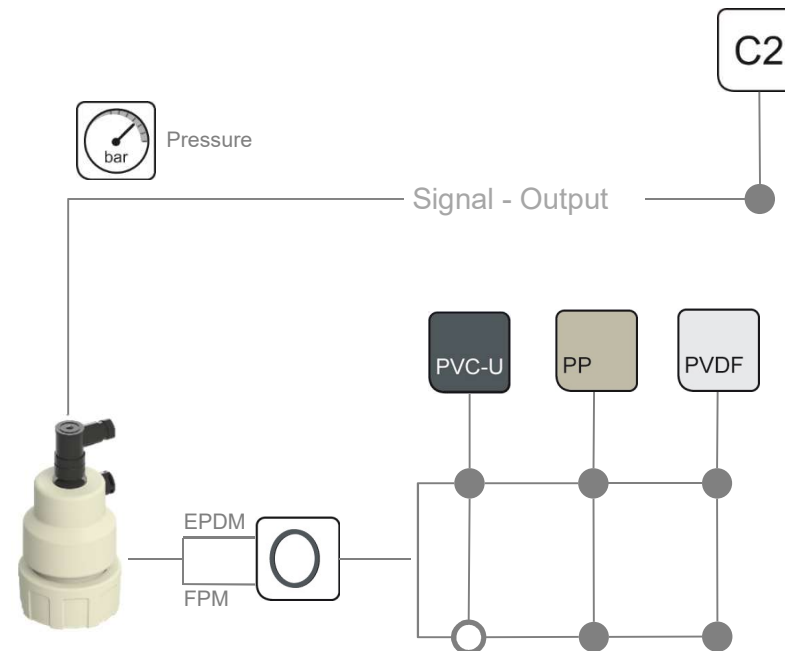
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



FILLING LEVEL SENSOR HFT Compact C2

- Filling level detection through measuring the hydrostatic medium pressure
- Suitable for foaming medium types
- For filling level measurement up to a 5m water Column in pressure –free containers
- Hanging sensor (FLEX) 7 m FEP cable or as compact version for direct installation
- An additional power supply is not necessary
- Using UNI Display is not possible



Nominal diameter:

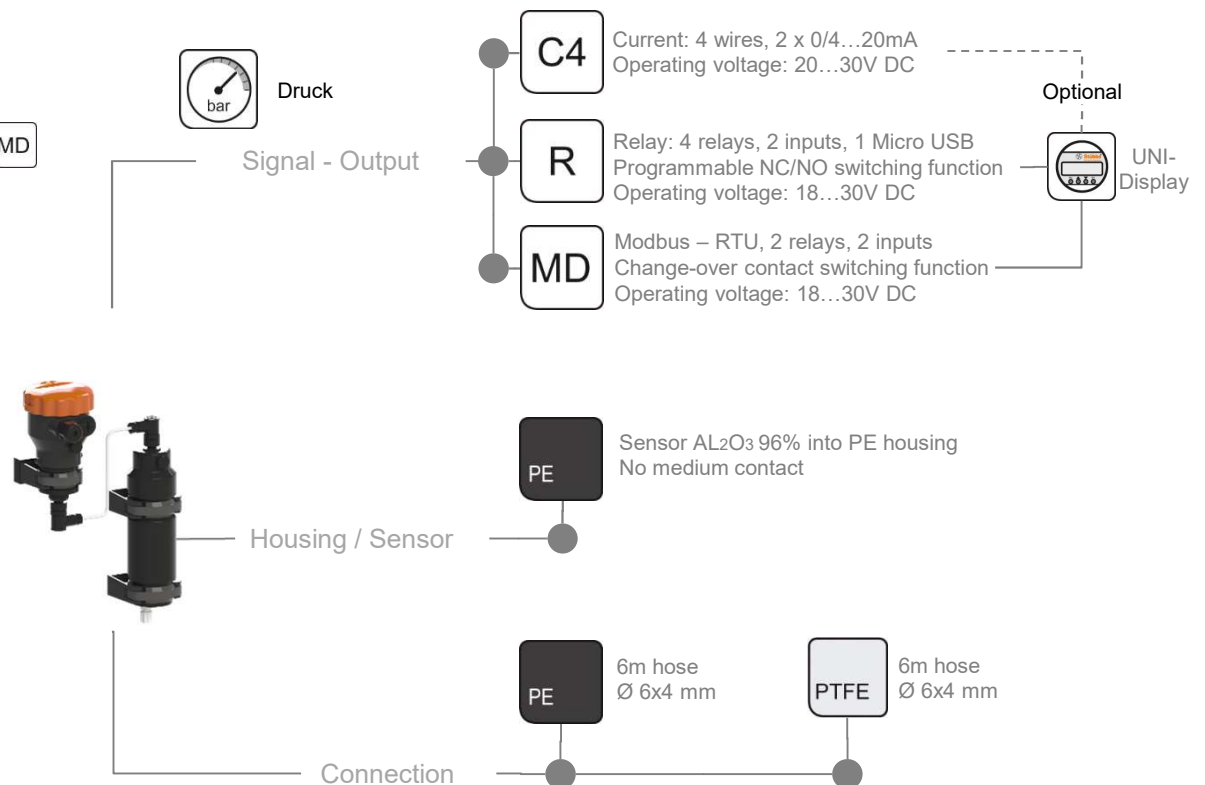
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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HYDROSTATIC FILLING LEVEL SENSOR HFB C4 / R / MD

- Filling level detection through measuring the hydrostatic medium pressure by means of blowing out a measuring hose or pipe (air bubbling technique)
- Suitable for foaming medium types
- For filling level measurement up to a 5m water column in pressure-free containers
- Sensor without medium contact
- Alternative signal output interfaces
- current loop **C4** / relay **R** / Modbus RTU **MD**



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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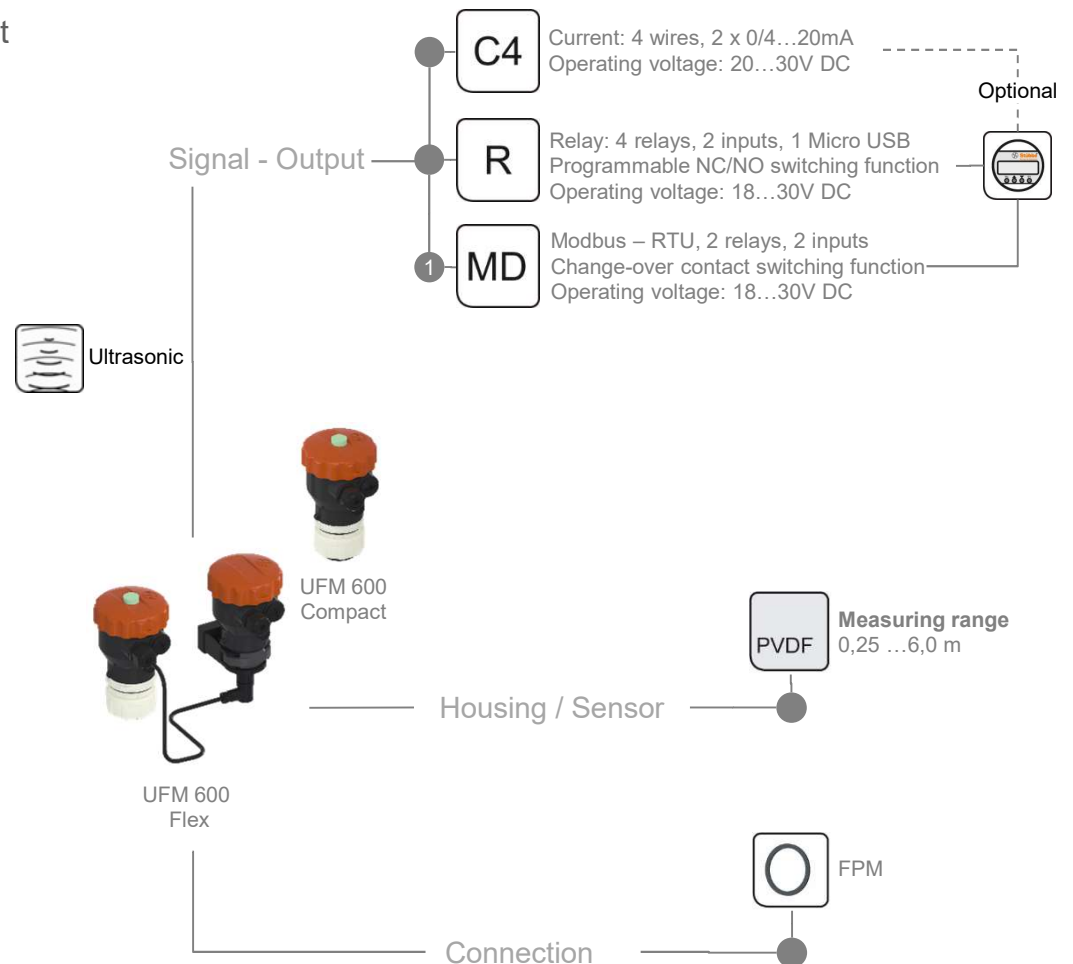


ULTRASONIC FILLING LEVEL SENSOR

UFM 600 COMPACT / FLEX

R / C4 / MD

- for distance, volume and filling level measurement
- for containers, open basins or channel
- measuring range up to 6 meter
- simple installation via connection threads
- contact free measuring principle
- Alternative signal output interface
- (current loop **C4** / relay **R** / Modbus RTU **MD**)

**Nominal diameter:**

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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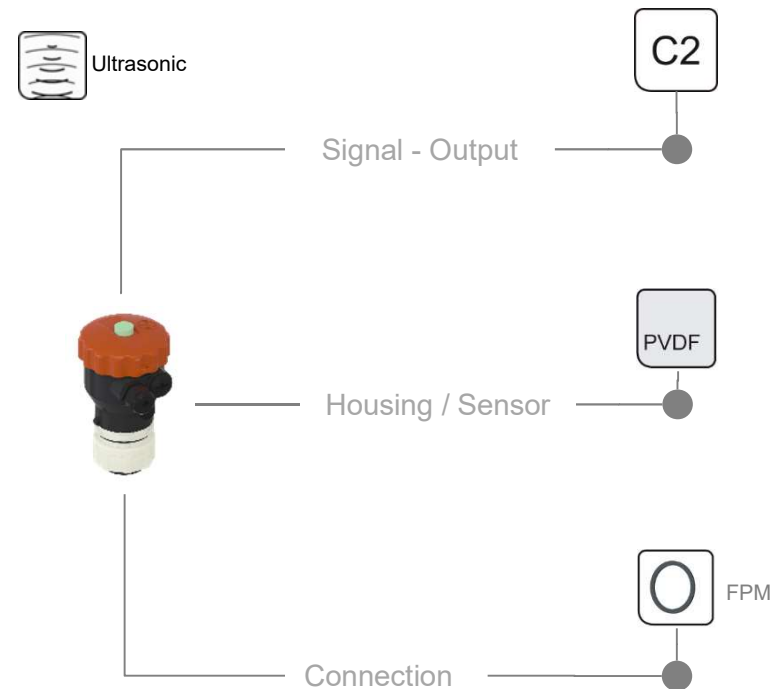
● available
○ not available



ULTRASONIC FILLING LEVEL SENSOR

UFM 600 Compact C2

- for distance, volume and filling level measurement
- for containers, open basins or channel
- measuring range up to 6 meter
- simple installation via connection threads
- contact free measuring principle
- Using UNI Display is not possible

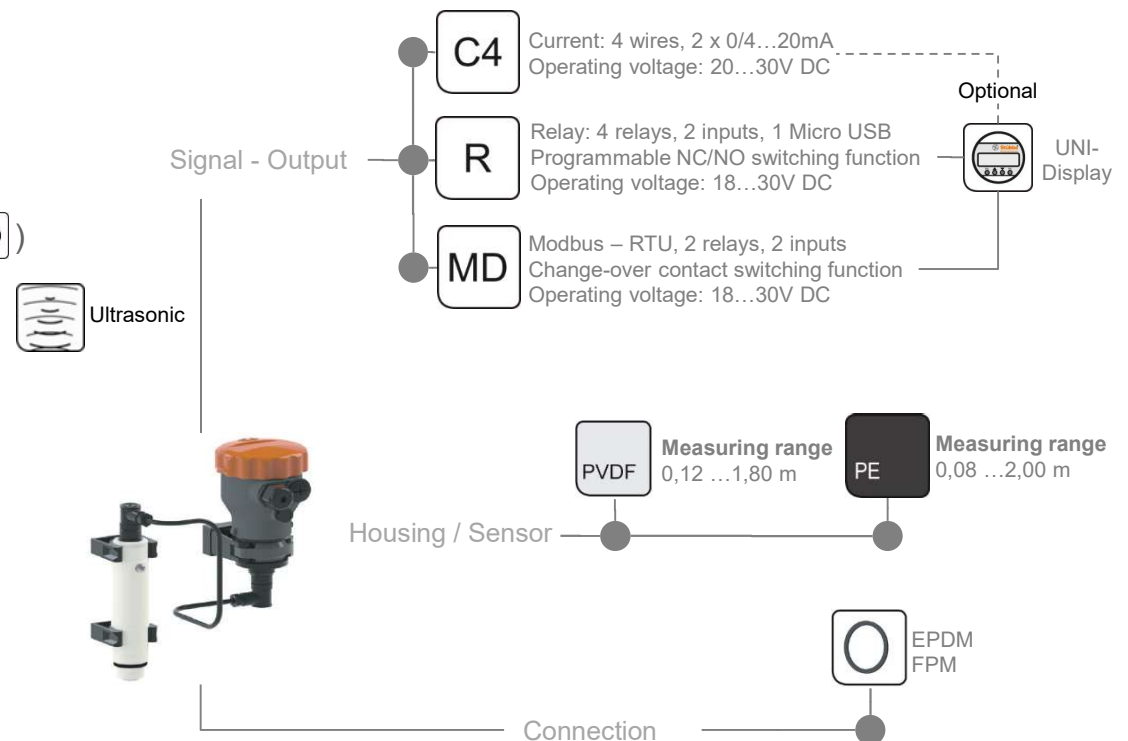
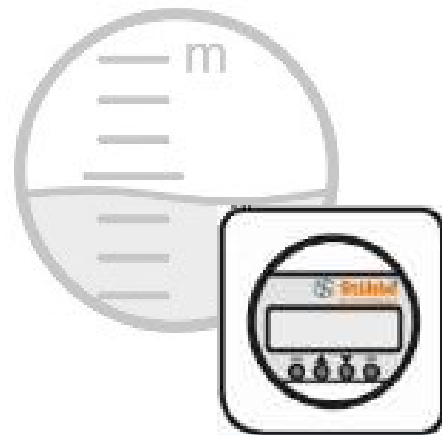




ULTRASONIC FILLING LEVEL SENSOR

UFM 200 Flex R / C4 / MD

- for distance, volume and filling level measurement
- for containers, open basins or channel
- measuring range up to 2 meter
- simple installation via connection threads
- contact free measuring principle
- Alternative signal output interface
(current loop **C4** / relay **R** / Modbus RTU **MD**)

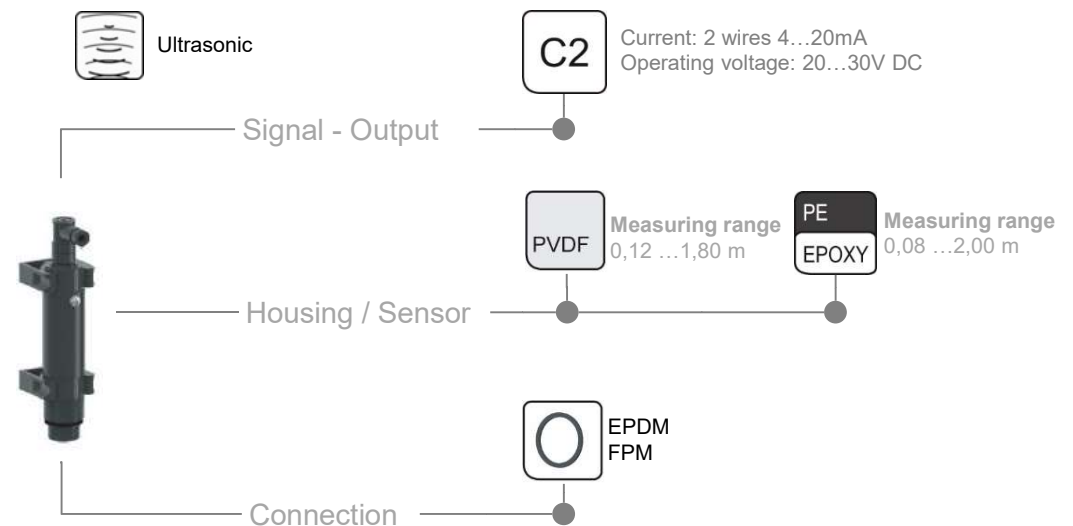




ULTRASONIC FILLING LEVEL SENSOR

UFM 200 C2

- for distance, volume and filling level measurement
- for containers, open basins or channel
- measuring range up to 2 meter
- simple installation via connection threads
- contact free measuring principle
- Using UNI Display is not possible



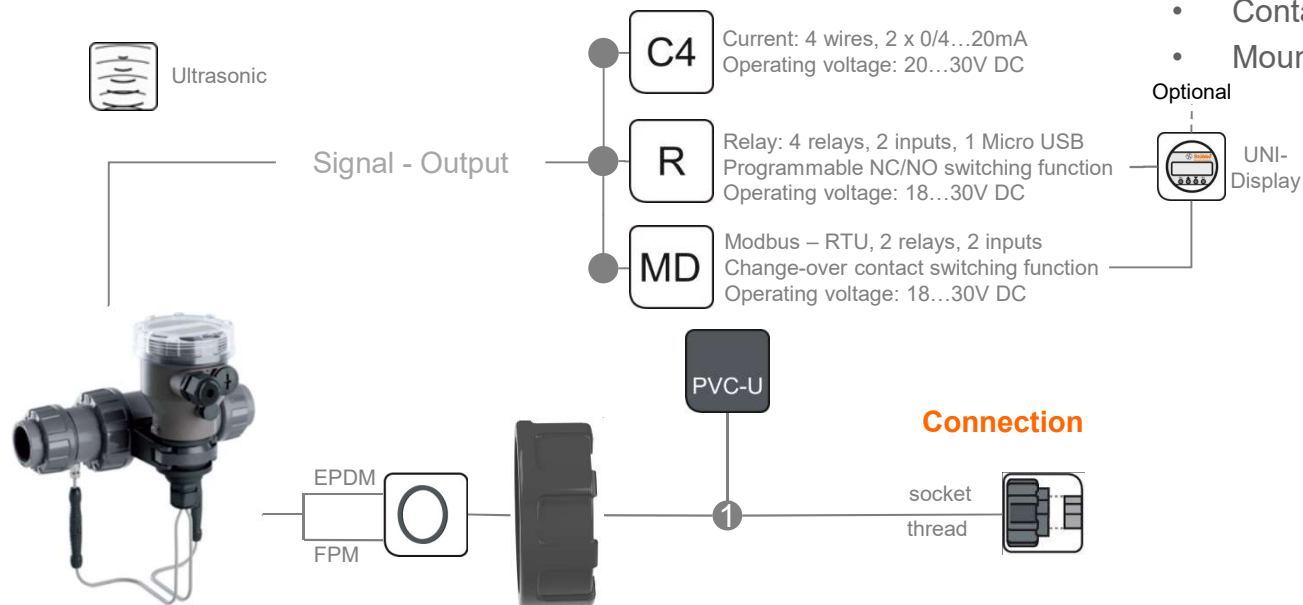
- Ambient temperature: -20-70 °C
- Atmospheric ambient pressure: 0,8-1,1 bar
- Relative humidity: 20-85%

● available
○ Not available



ULTRASONIC- FLOWMEASURING / DOSING UNIT USF C4 / R / MD

- For fluids in pipework
- For flow and volume measurement
- Measuring range from 5 l/min to 160 l/min
- Simple installation via connection threads
- Alternative signal output interfaces
- (current loop **C4** / relay **R** / Modbus RTU **MD**)
- Contact-free measuring principle
- Mounting position as required



- Ambient temperature: 0-60 °C
- Atmospheric ambient pressure: 0,8-1,1 bar
- Relative humidity: 20-85%
- Resistance of the components in contact with the medium



Nominal diameter:

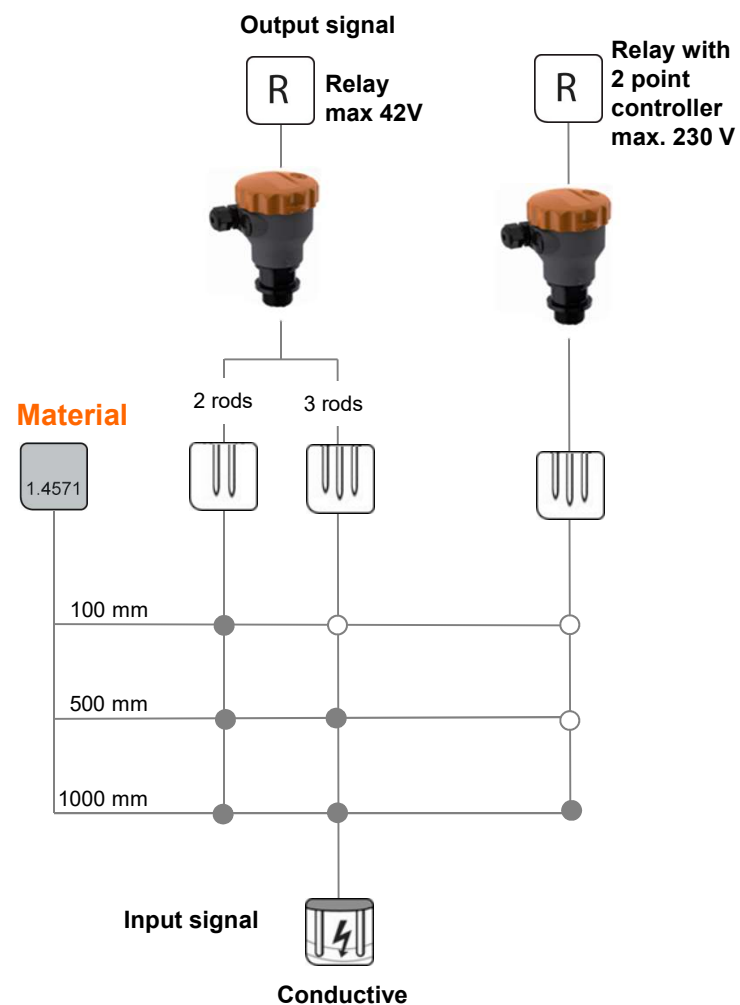
DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



LIMIT LEVEL SENSOR CFP

- for conductive medias
- up to 1,000 mm
- 2 or 3 electrode rods made of 1.4571 stainless steel
- connection for pipe clamp DN25
- 2 variant signal outputs
2x 24 V relay (on/off)
2x 230V two point controller



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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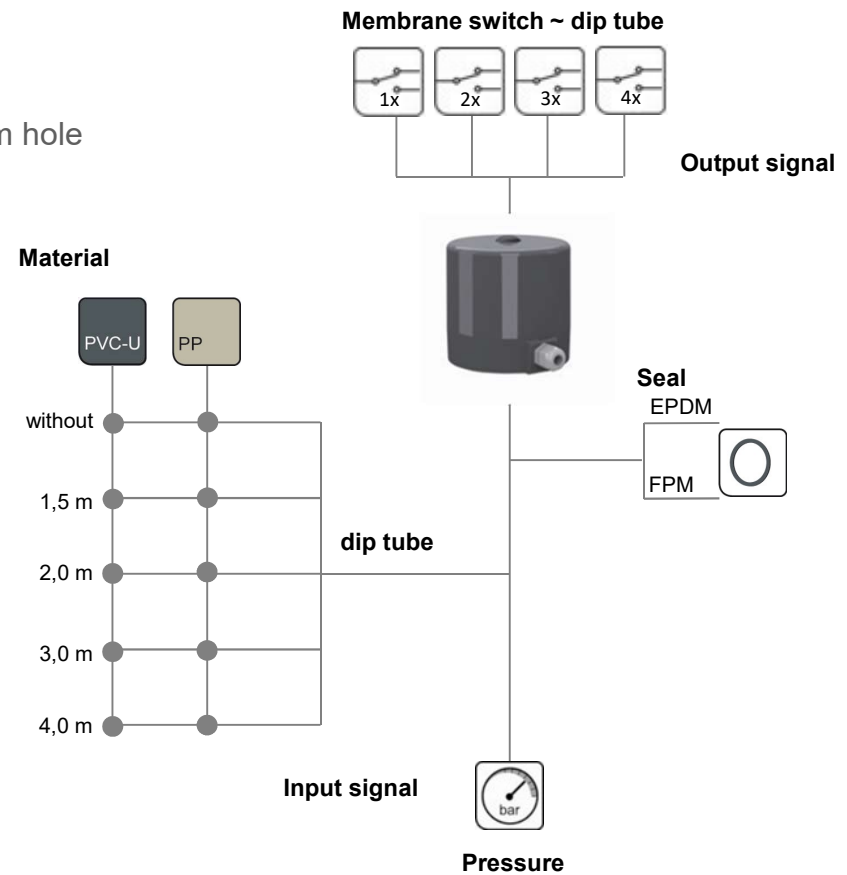
● available
○ not available



LEVEL SWITCH NIS



- reliable pressure determination for non-pressurised containers
- diaphragm pressure switch w/o fluid contact
- up to four user-definable switching points 150 - 4.000 mm
- simple setting of switching point by 8 mm hole 100 mm below the required filling level
- hydrostatic level determination
- for non-pressurised containers only



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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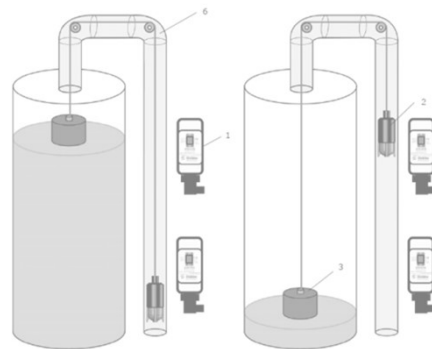
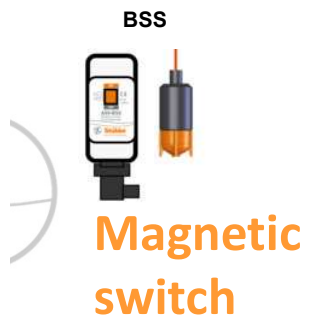
● available
○ not available



BI-STABLE SWITCH BSS



- for cable pull indicator and float system
- large visual switching indicator and float system
- simple installation via cable ties
- switching voltage 4...250 VAC (30 VDC)
- switching capacity 3A
- IP 65

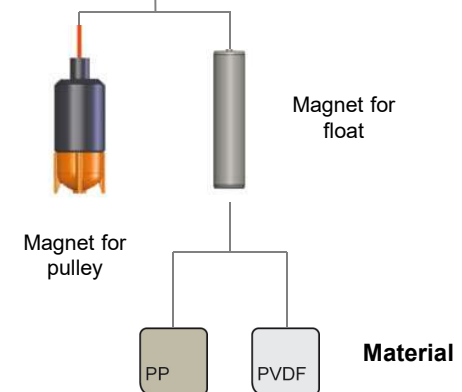


Output signal



BSS

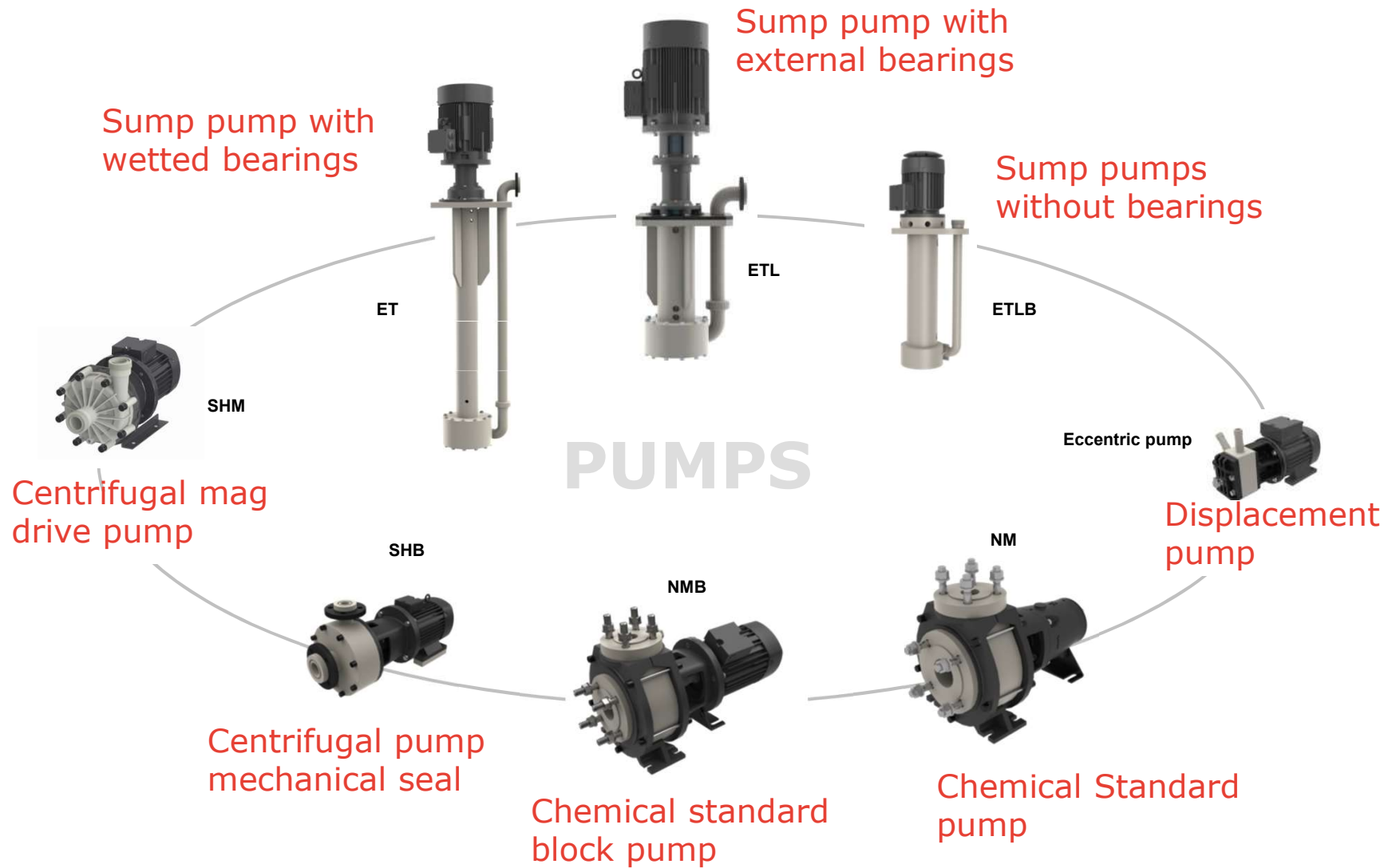
Trigger magnet





Pumps



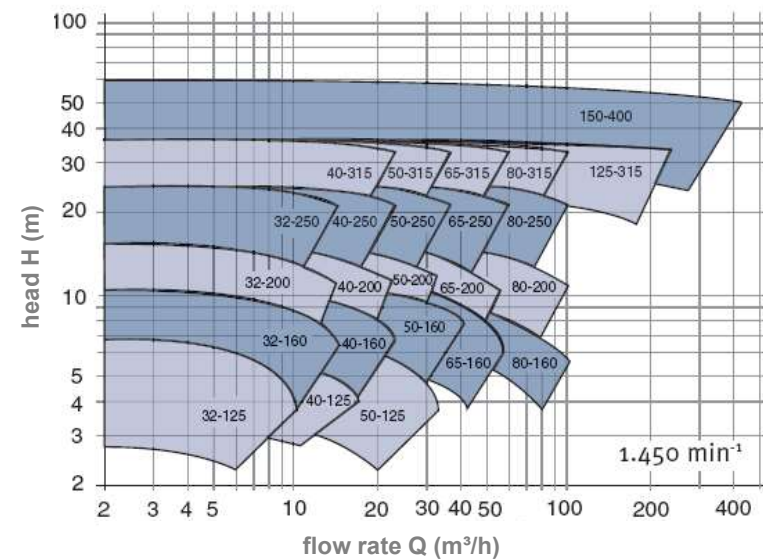
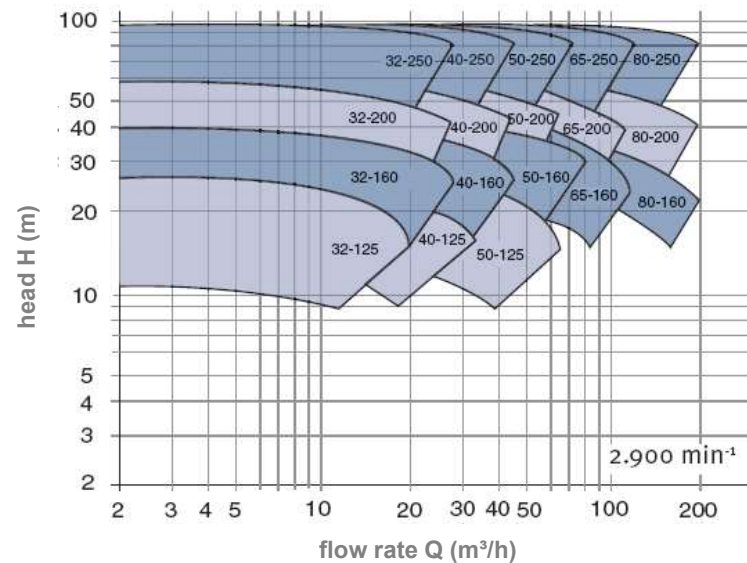




Centrifugal pump NM



- robust, cast steel casing pump acc. to chemical industry standards
- mechanically sealed
- solid, exchangeable plastic components
- maintenance-friendly design
- wide range of options and accessories
- available as pump only or as fully installed unit incl. coupling and motor



Nominal
diameter:

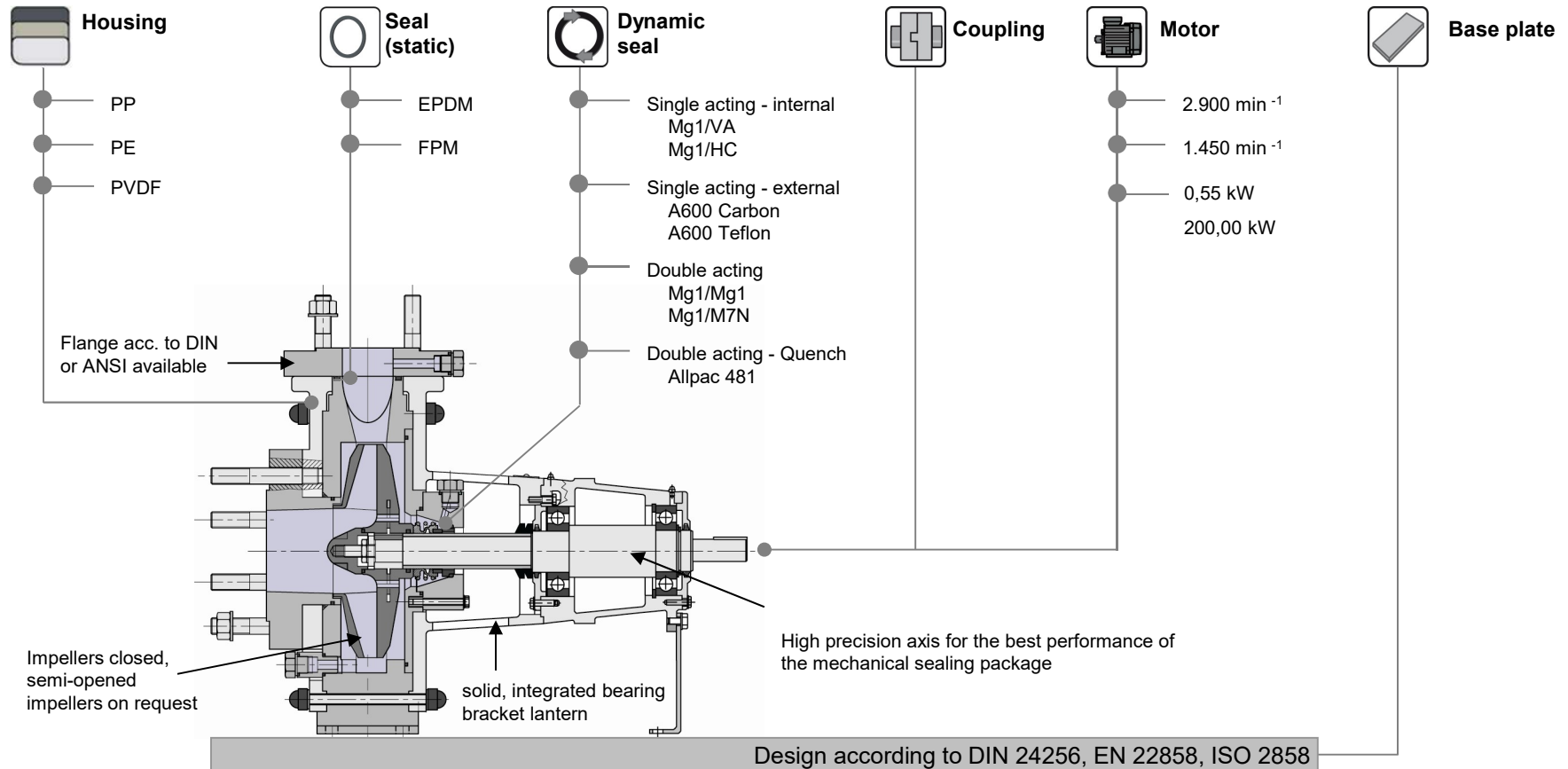
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 125	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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CENTRIFUGAL PUMP NM



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 125	DN 150
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Impellers:

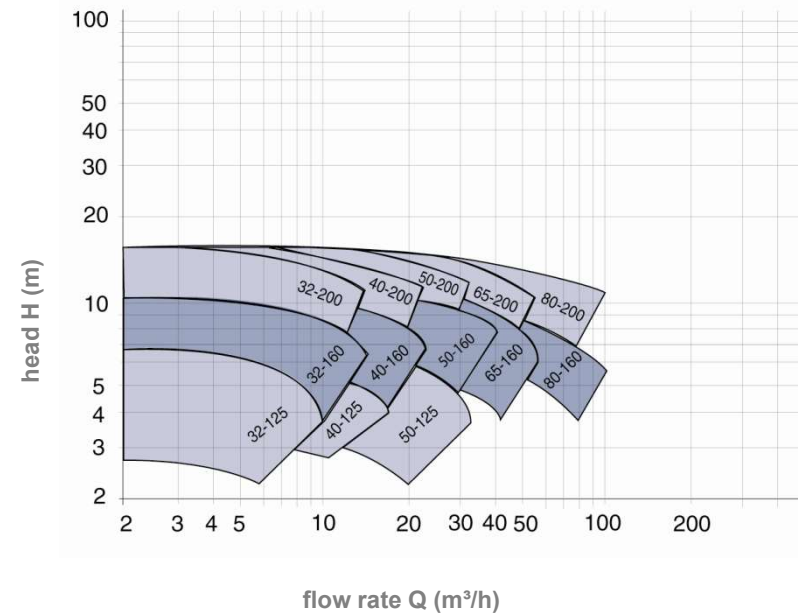
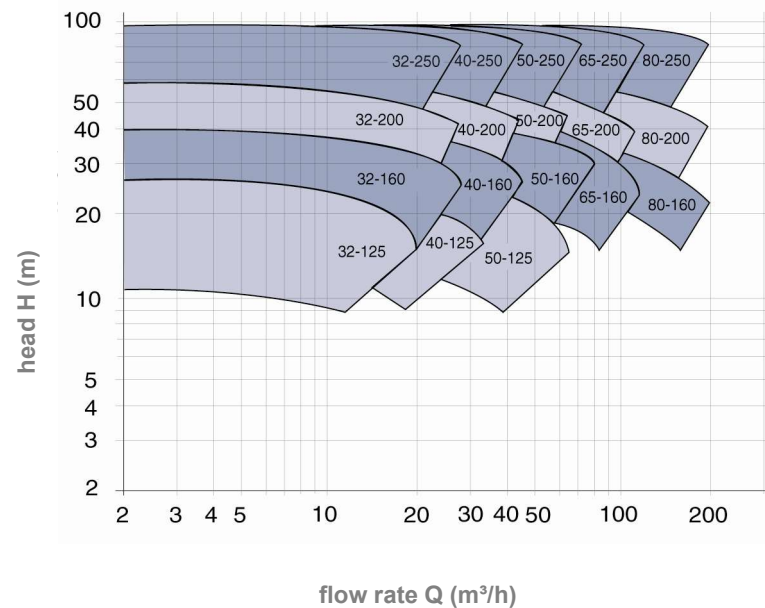
60	80	100	125	145	160	180	200	250	315	400
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CENTRIFUGAL PUMP NMB



- compact design block pump
- armoured housing based on the NM pump design
- mechanically sealed
- solid, exchangeable plastic components
- maintenance-friendly design
- wide range of options and accessories



Nominal
diameter:

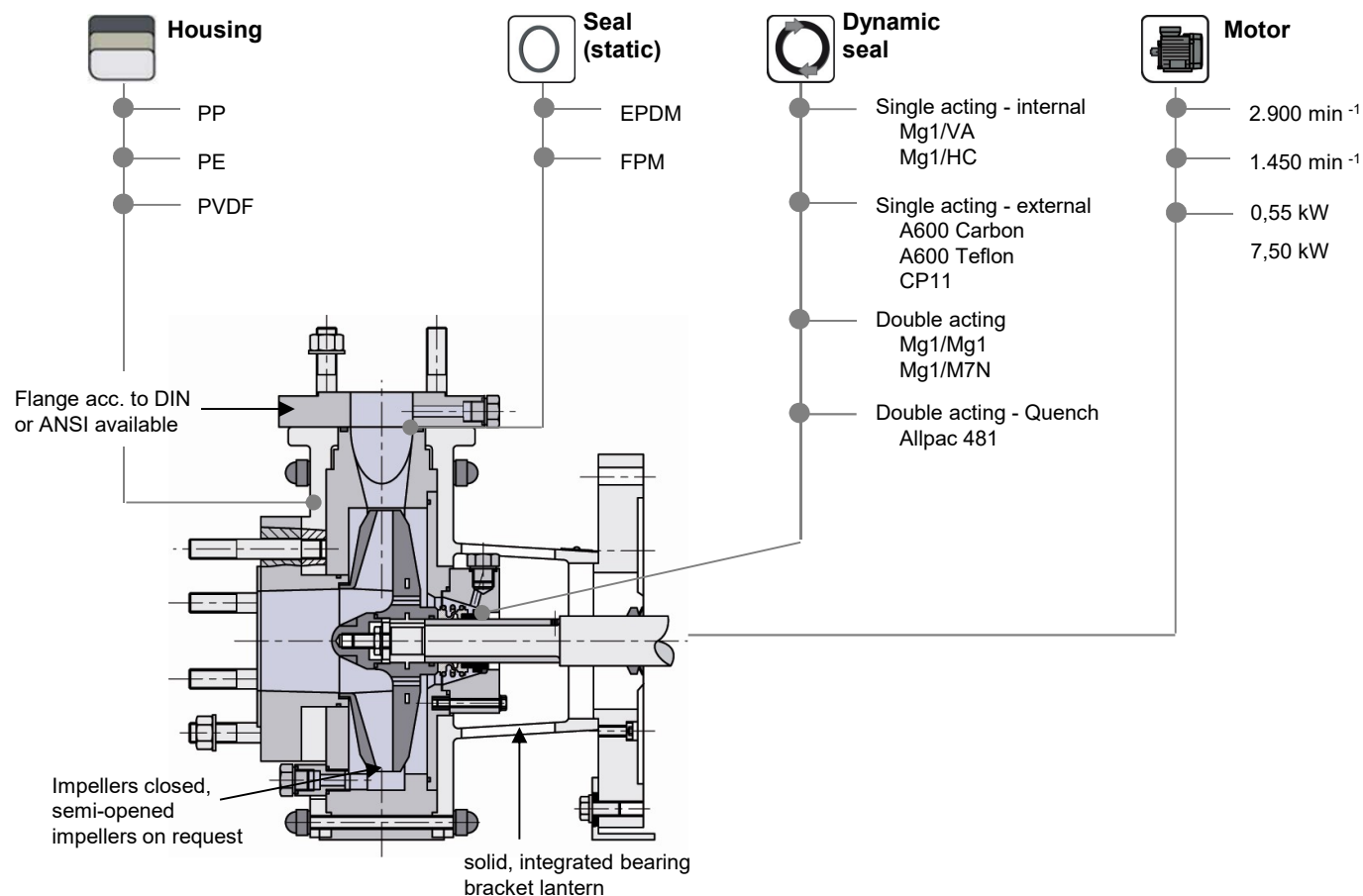
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 125	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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CENTRIFUGAL PUMP NMB



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 125	DN 150
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Impellers:

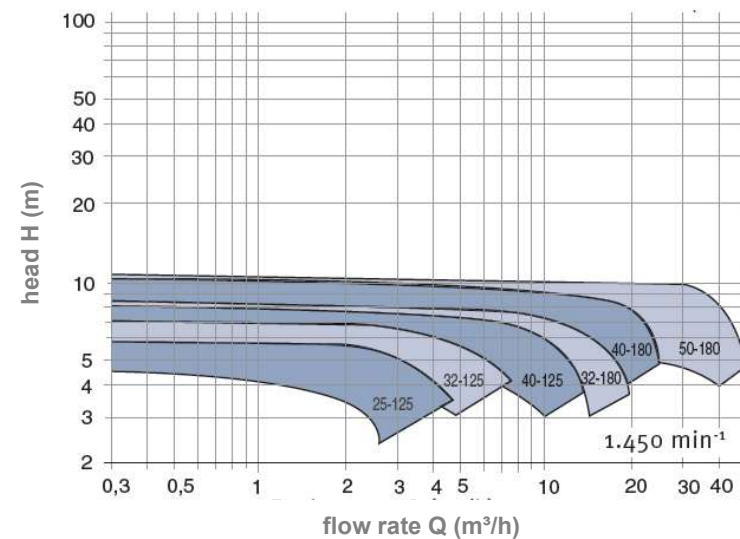
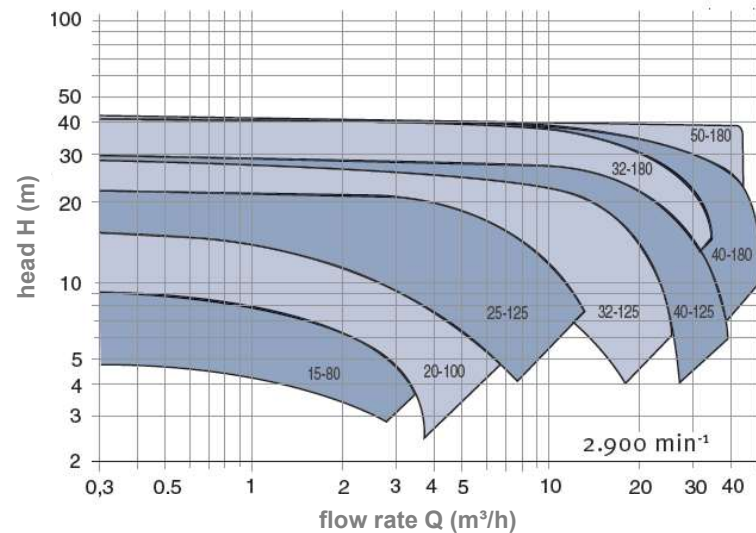
60	80	100	125	145	160	180	200	250	315	400
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CENTRIFUGAL PUMP SHB



- centrifugal block pump accord. to chemical industry standards
- mechanically sealed
- good availability due to modular design
- solid, exchangeable plastic components
- maintenance-friendly design
- wide range of options and accessories



Nominal
diameter:

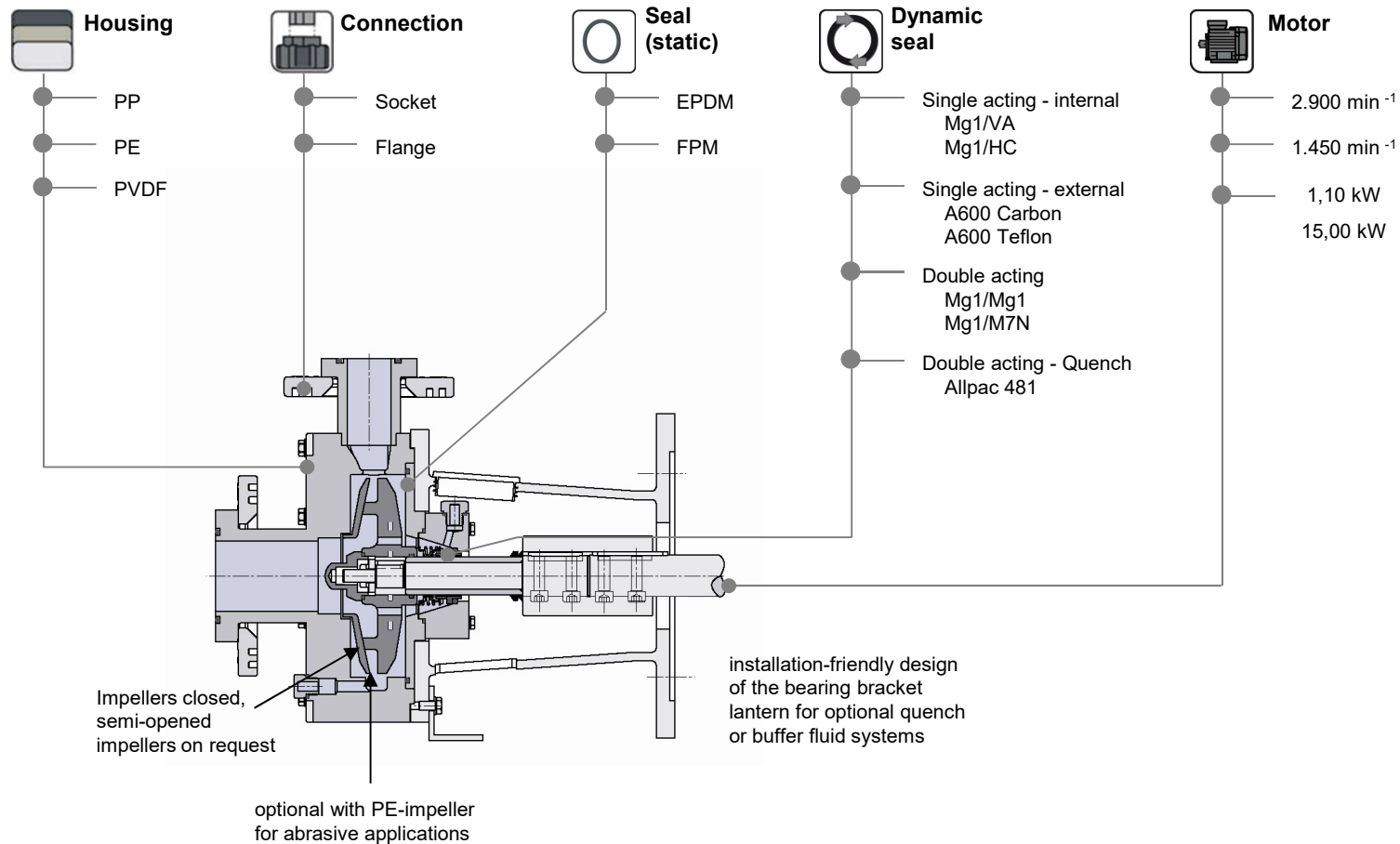
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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CENTRIFUGAL PUMP SHB



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

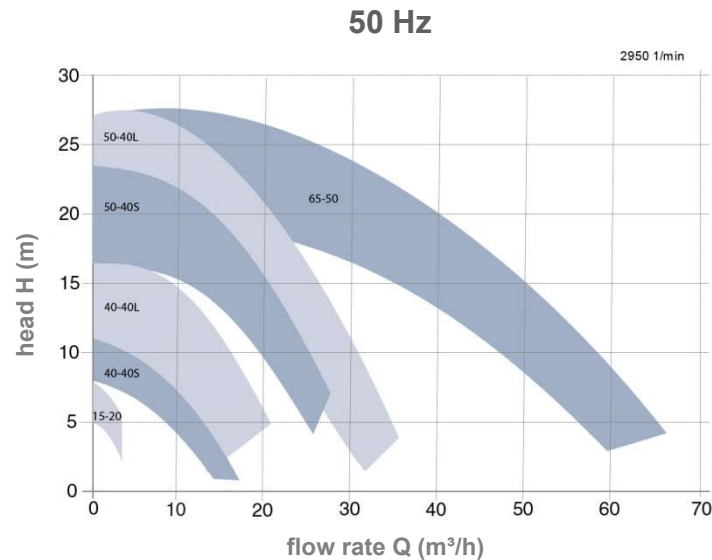
60	80	100	125	145	160	180	200	250	315	400
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MAGNETICALLY DRIVEN CENTRIFUGAL PUMP SHM



- Magnetically coupled pump with a wide range of performance up to 7.5 kW
- hermetically sealed hydraulic part for vibration-free operation
- reliable coupling by strong magnet systems
- compact design
- PVDF-Versions for demanding applications
- good availability due to modular design



Nominal
diameter:

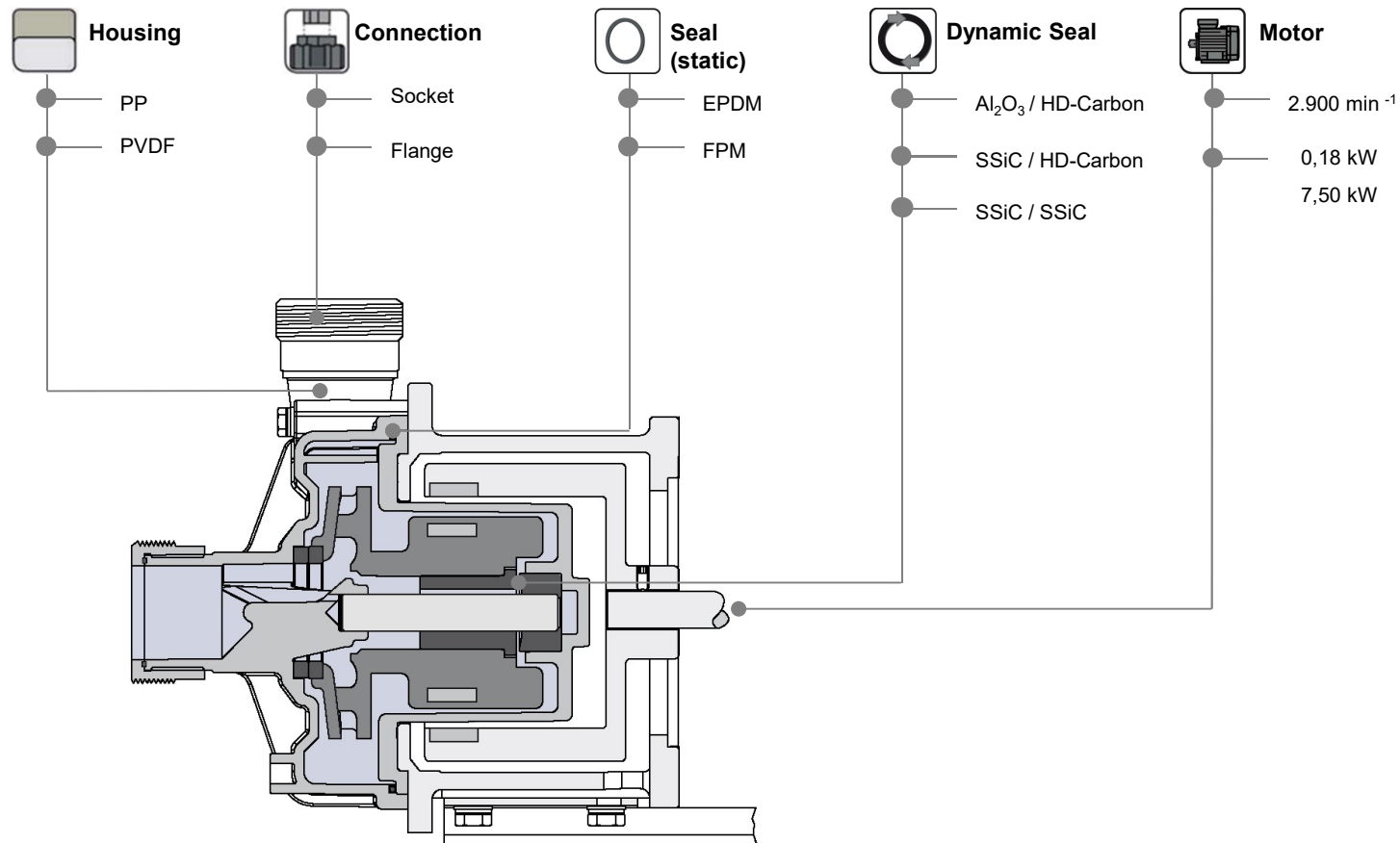
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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MAGNETICALLY DRIVEN CENTRIFUGAL PUMP SHM



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

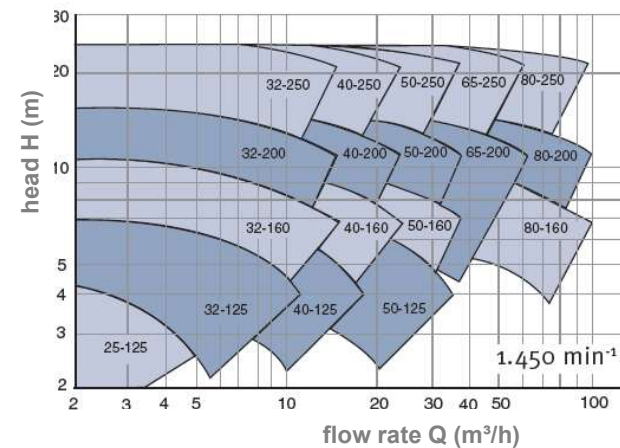
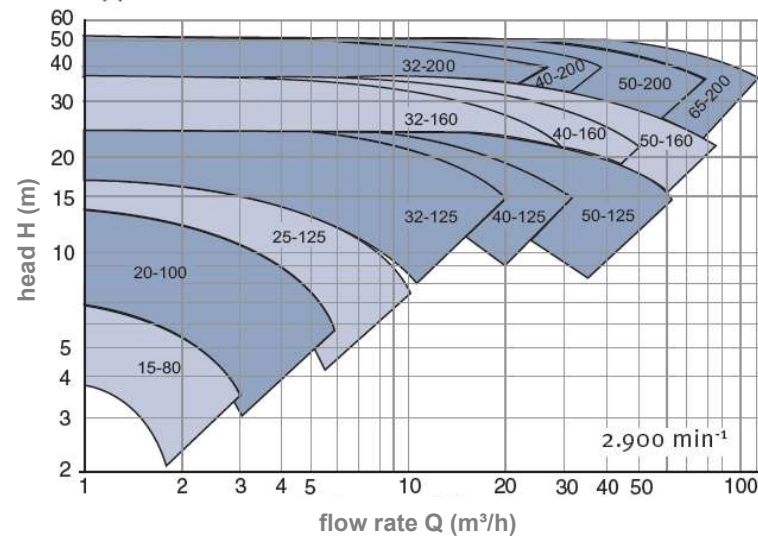
60	80	100	125	145	160	180	200	250	315	400
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SUMP PUMP ET



- Sump pump with wetted axis and fluid lubrication
- wide range of applications due to an extensive range of designs and material combinations
- up to 4000mm submersion depth
- solid, exchangeable plastic components
- high operational safety even under extreme working conditions
- High-end mechanical seals for dry-run capable versions available
- Tailor-made mounting plates and port connectors on request



Nominal
diameter:

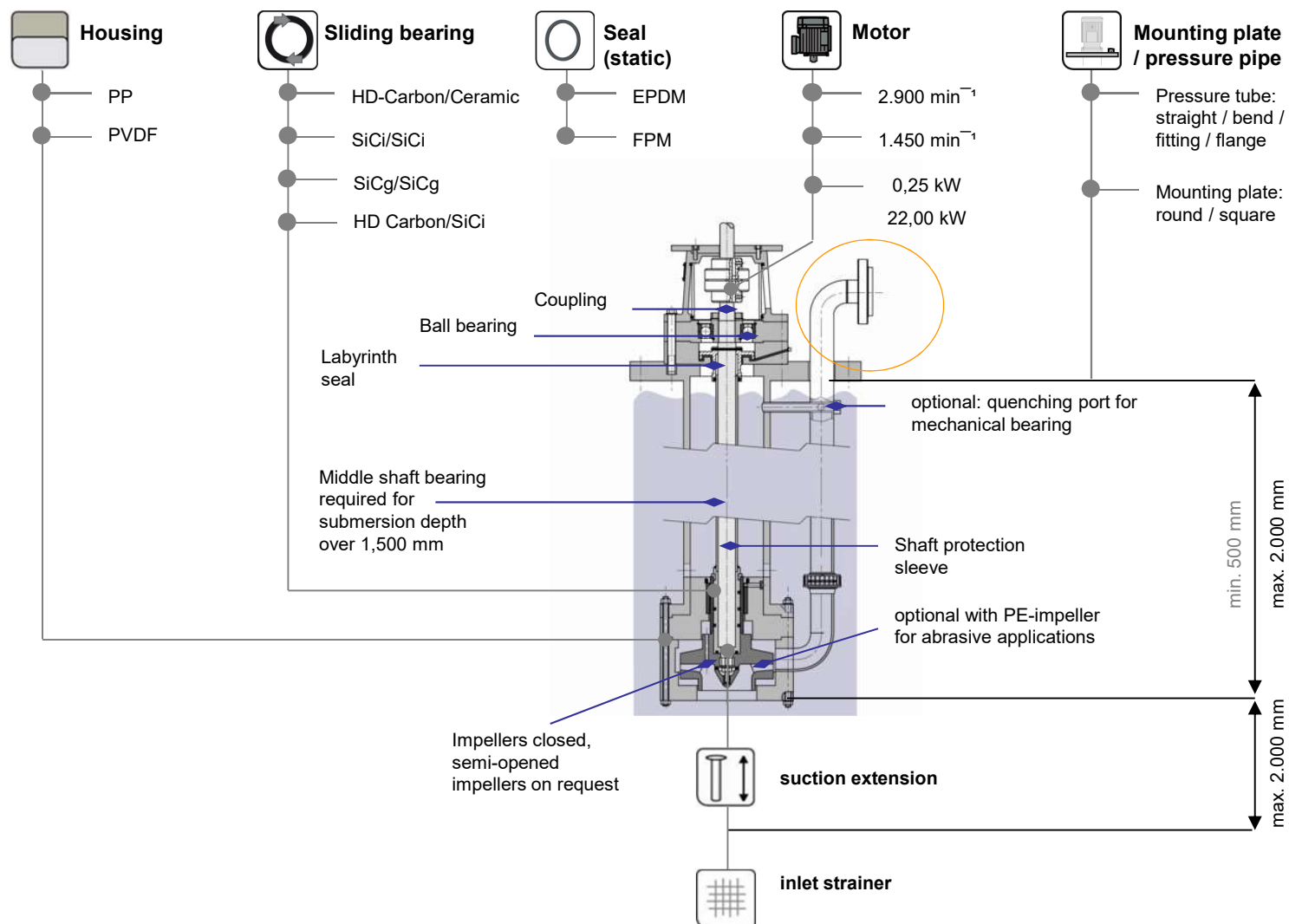
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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SUMP PUMP ET



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

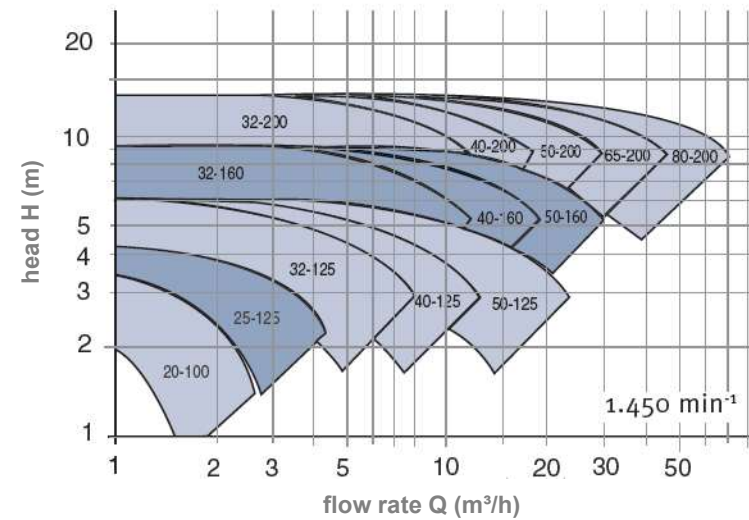
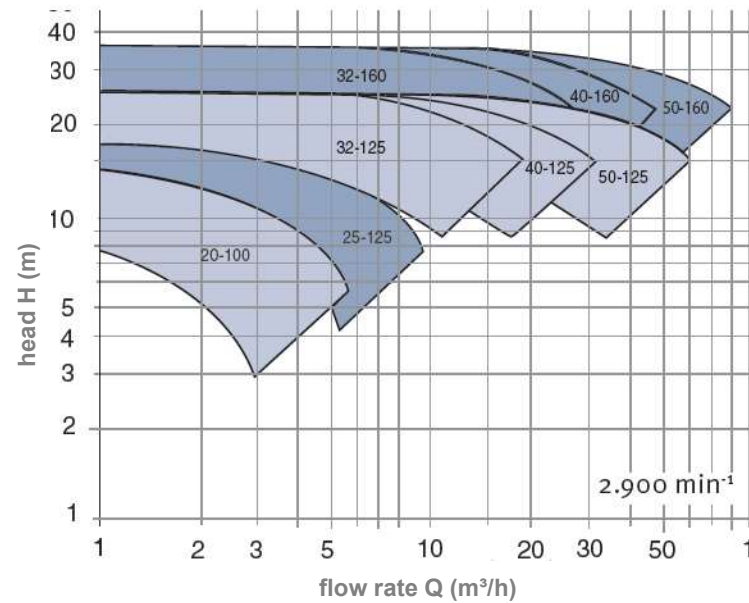
60	80	100	125	145	160	180	200	250	315	400
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SUMP PUMP ETL



- Dry-run safe sump pump
- Motors up to 45kw
- non-wetted shaft bearing
- Robust tandem bearing for vibration-free operation
- solid, exchangeable plastic components
- Tailor-made mounting plates and port connectors on request



Nominal
diameter:

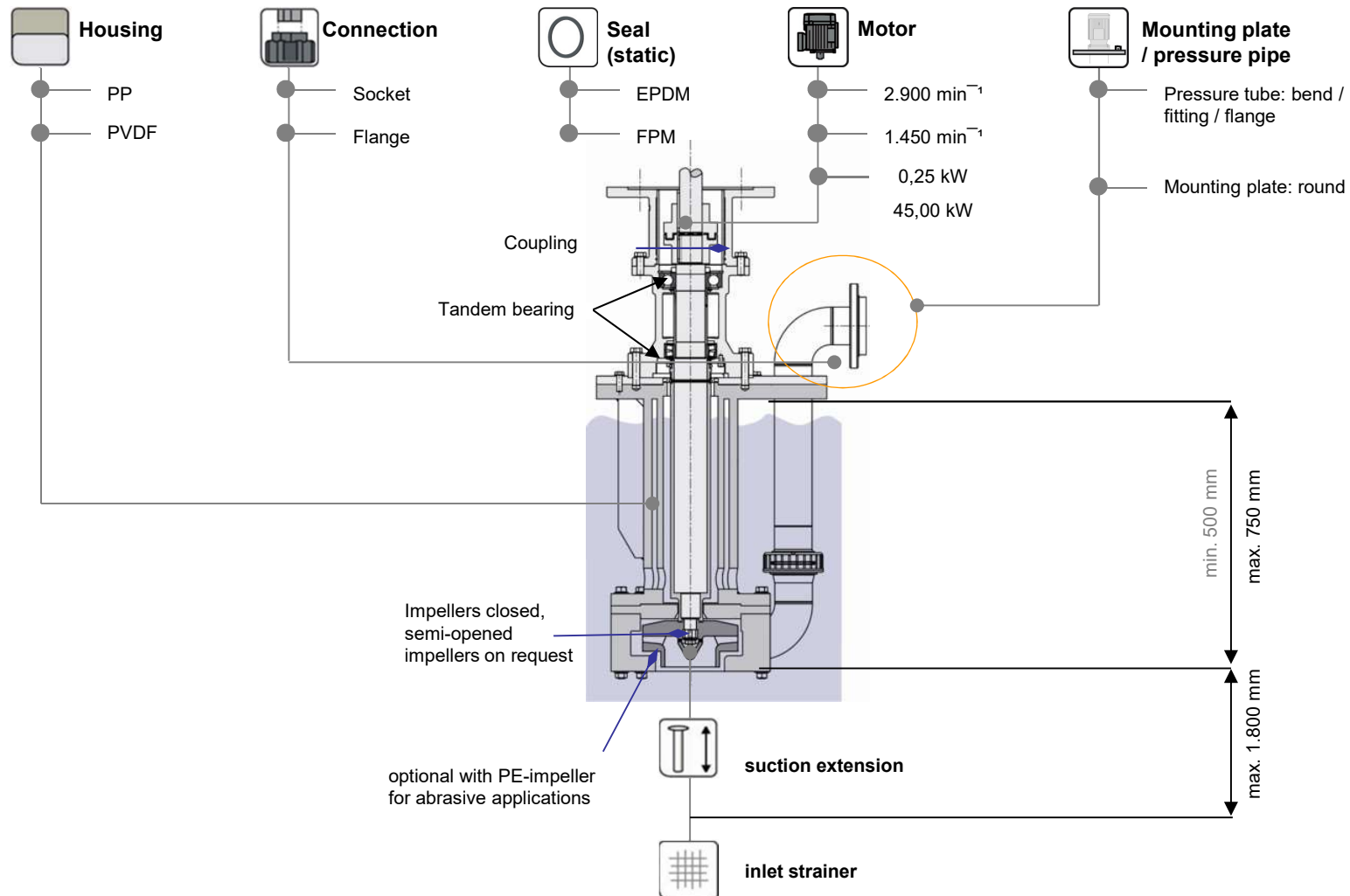
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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SUMP PUMP ETL



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

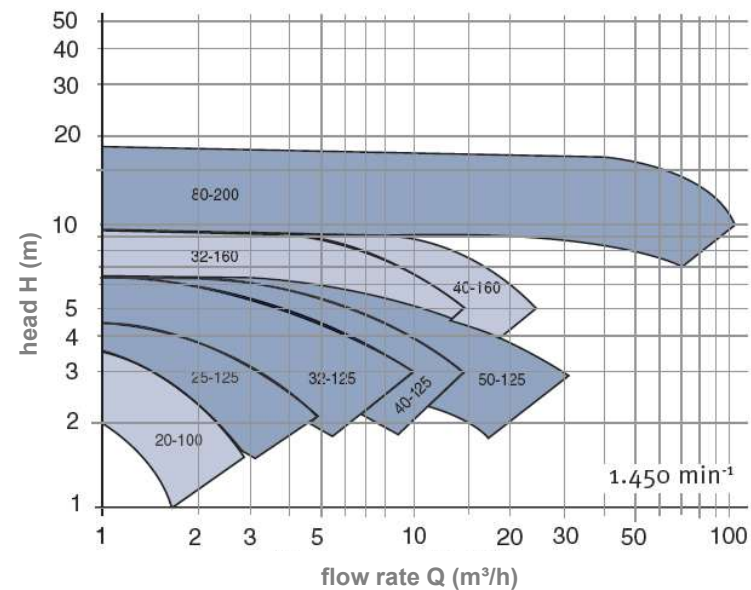
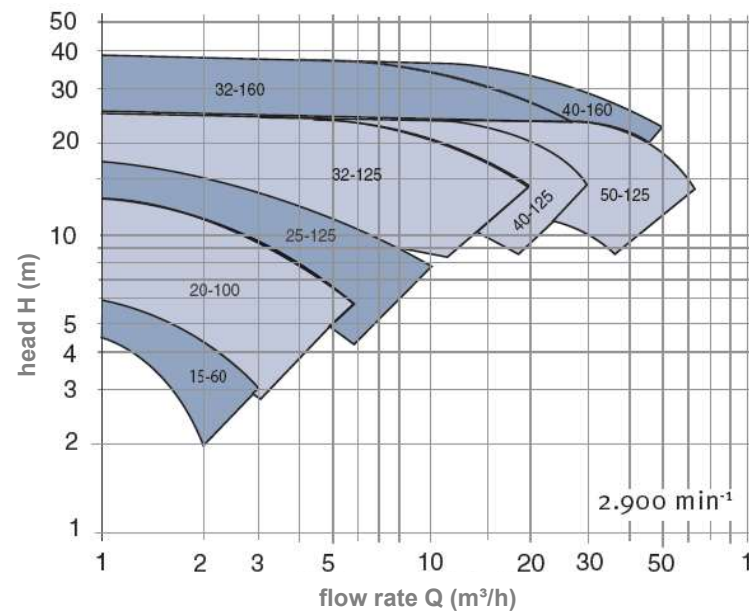
60	80	100	125	145	160	180	200	250	315	400
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SUMP PUMP ETLB



- Dry-run safe close coupled sump pump
- Highest operational safety because of bearing-less design
- partly suitable for particle loaded fluids
- available in three submersion depth versions up to 475 (495)mm
- Tailor-made mounting plates and port connectors on request
- Titan labyrinth seal for aggressive fluid vapours on request
- optional dry-well installation



Nominal
diameter:

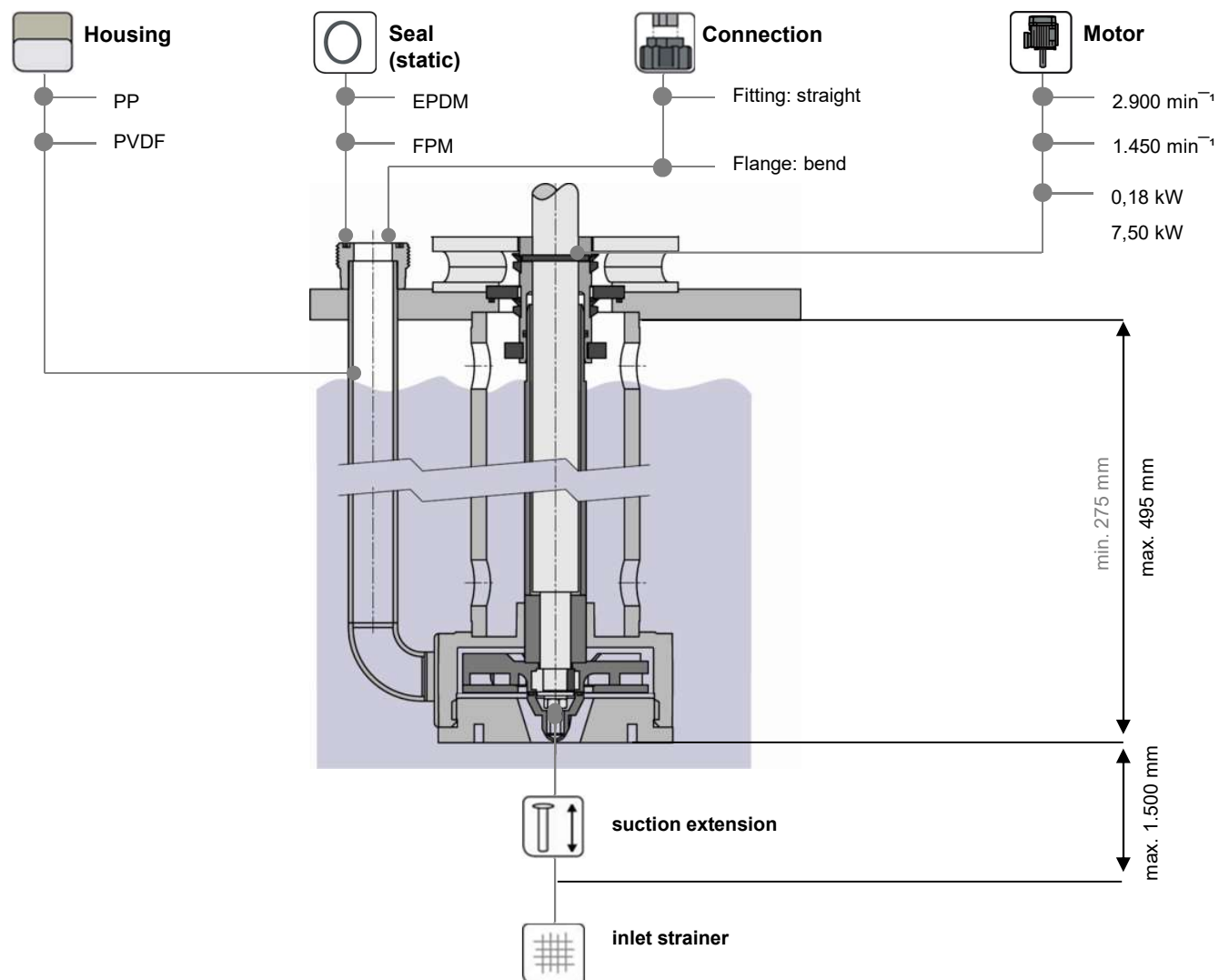
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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SUMP PUMP ETLB



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

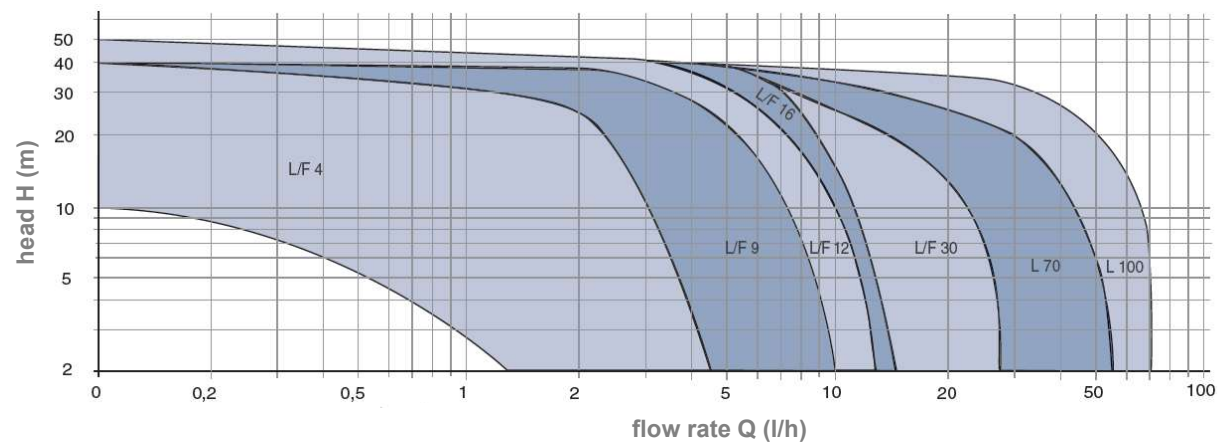
60	80	100	125	145	160	180	200	250	315	400
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ECCENTRIC PUMP F / L

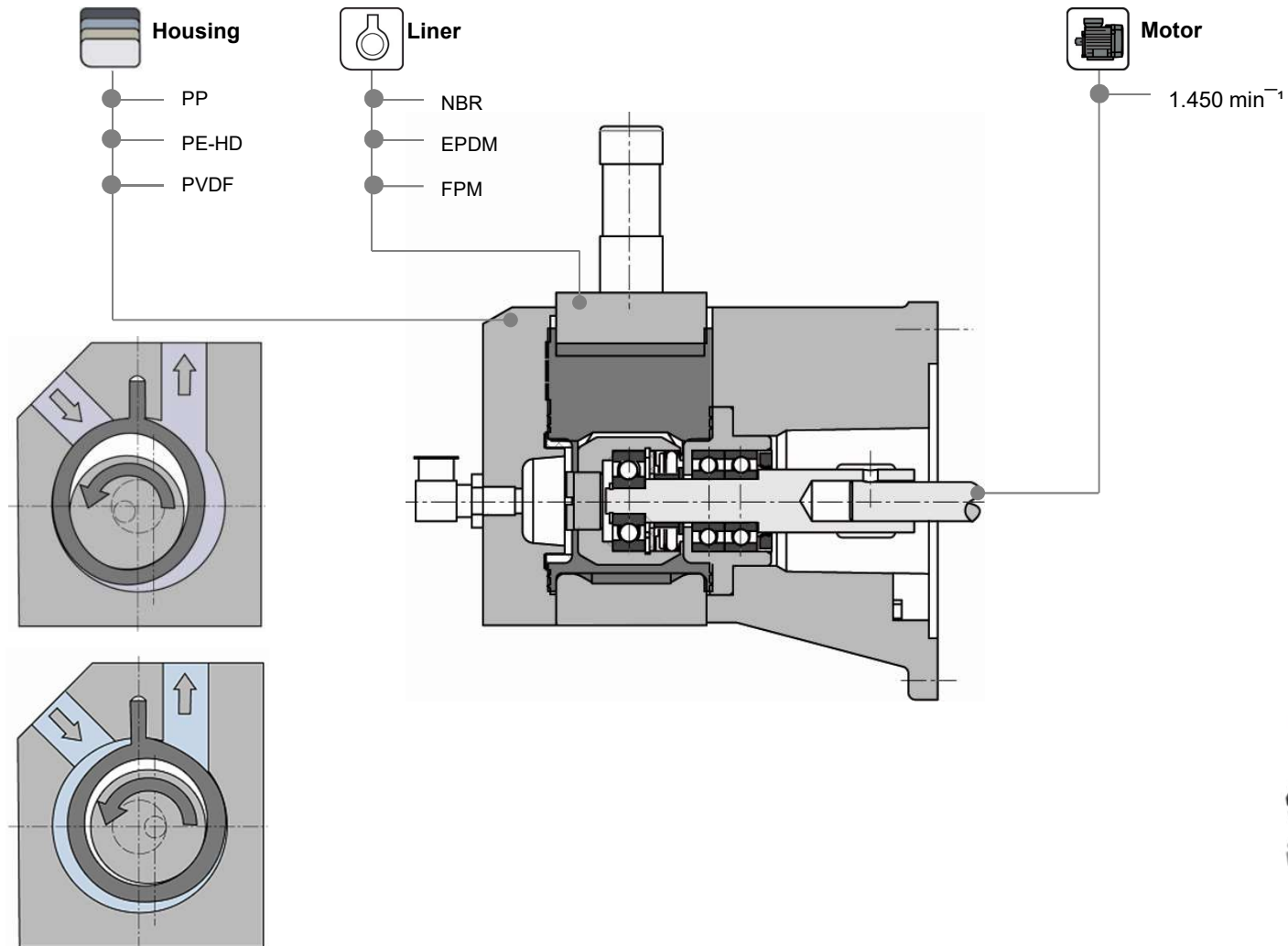


- self-priming displacement pump
- dry-run capable and cavitation-free
- suitable for frequency regulation and mobile applications
- robust and reliable design
- high-operational safety and low maintenance
- type L = base plate mounted version





ECCENTRIC PUMP F



Nominal
diameter:

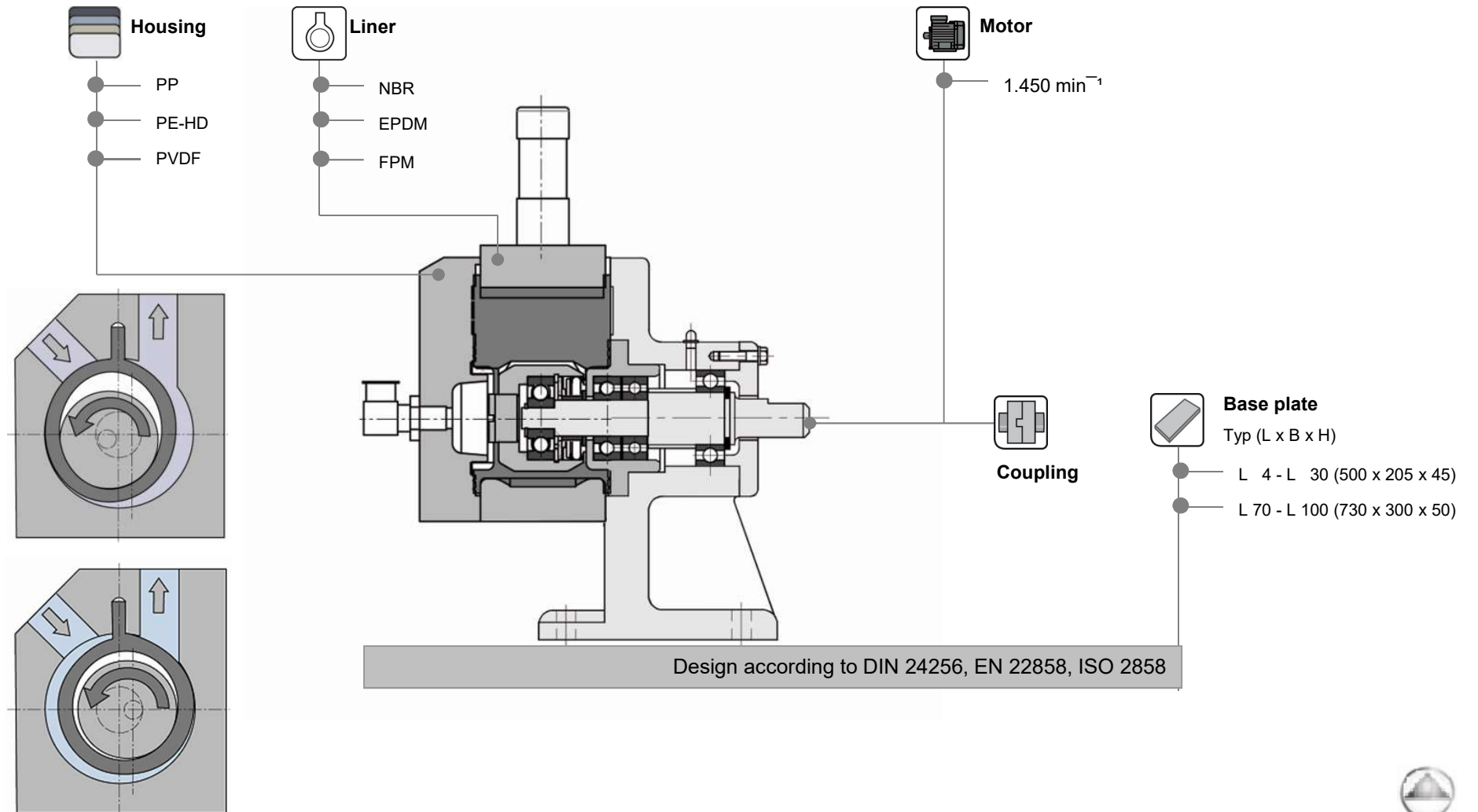
DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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ECCENTRIC PUMP L



Nominal
diameter:

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 150
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Impellers:

60	80	100	125	145	160	180	200	250	315	400
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PIPES

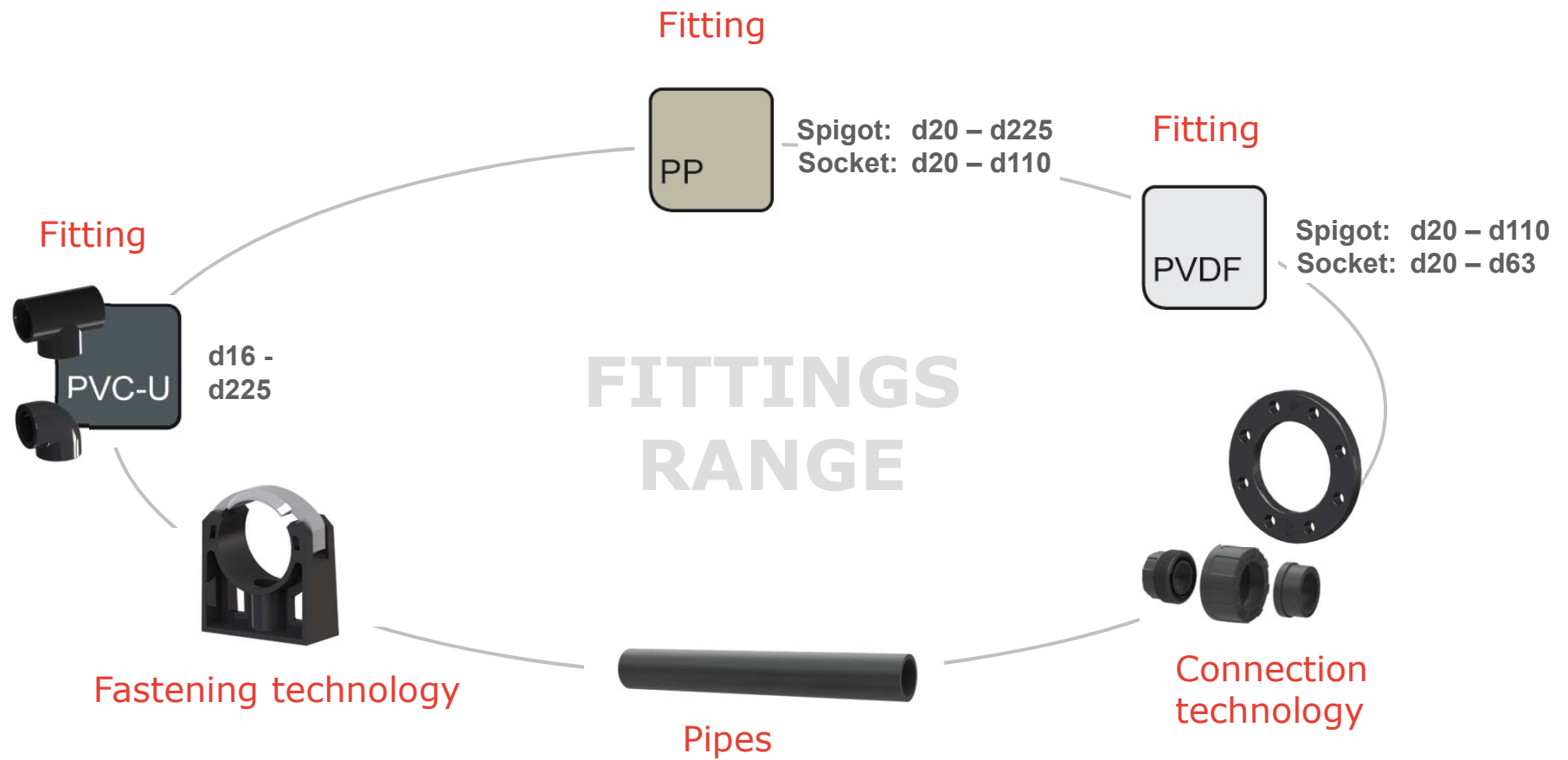
-

FITTINGS

-

ACCESSORIES







CONNECTION TECHNOLOGY



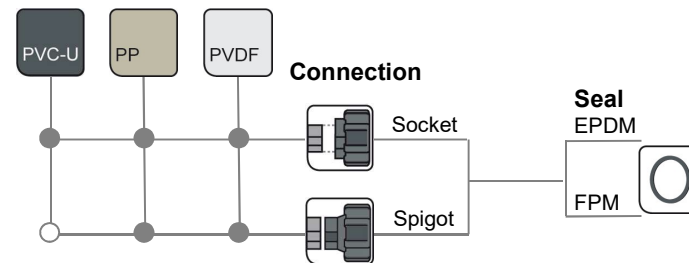
Fittings

- by DIN 8063
- d16 – d63
- spigot ends for IR welding



- Union end with male and female threads in V4A and Ms

Material



Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



CONNECTION TECHNOLOGY



Flange

- by DIN EN 1092
- strong PP/St chemical industry quality
- d20 – d400
- for welding collars or collar bushings

Nominal diameter:

DN 8	DN 10	DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400
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● available
○ not available



FASTENING TECHNOLOGY



Pipe clamps

- made of PP and PE
- d40 – d160

Pipe clips

- made of PP and PE
- d16 – d32



PIPES



PN 16
d16 - d225



PN 10 / 16
SDR 11
d20 - d225



PN 10 / 16
SDR 11
d20 - d110



**THANK YOU FOR
YOUR ATTENTION.**

STÜBBE