

#### Reliable

Measurement independent of changing process conditions

### Cost effective

Low maintenance requirements reduce downtime and costs

#### **User friendly**

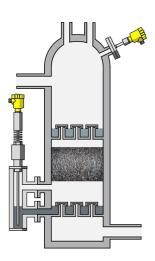
Broad range of process fittings allows easy retrofitting

# Amine contactor

# Level and pressure measurement of high pressure amine contactor

Amine contactors introduce amine solutions to the incoming natural gas from the inlet separator to remove acidic components, such as H2S and CO2, from the process stream. The operator must accurately monitor the amine collecting at the bottom of the contactor to ensure that the process is running efficiently.

#### More details





#### **VEGAFLEX 86**

Continuous level measurement with guided wave radar in amine contactors

- Non-moving parts are immune to mechanical failure
- Robust mechanical construction is resistant to extreme process conditions
- Measures accurately unaffected by changing gravity, temperature or pressure

## Show Product

# **VEGABAR 81**

Pressure transmitter for pressure monitoring in amine contactors

- Isolated diaphragm increases temperature resistance
- Tough diaphragm materials provide excellent chemical resistance
- Easy mechanical adaption thanks to large selection of flange and tube versions

#### **Show Product**



VEGAFLEX 86 Show ProductVEGABAR 81 Show ProductImage: ProductImage: ProductMeasuring range - Distance 75 mMeasuring range - Distance -75 mMeasuring range - Distance -75 mMeasuring range - Pressure 100 barMeasuring range - Pressure 100 barProcess temperature 100 barProcess temperature 100 barProcess pressure 100 barProcess pressure 100 barProcess pressure 100 barProcess pressure 100 barNearer -Version Coax version e 42.2 mm with multiple hole Coax version e 42.2 mm with single hole C	PRO	PRO
Image: Additional and the additional anditex addit anditional anditional anditional and the addi	VEGAFLEX 86	VEGABAR 81
75 m-Process temperature -196450 °CMeasuring range - Pressure -11000 barProcess pressure -1400 barProcess temperature -90400 °CAccuracy $\pm 2 mm$ Process pressure -11000 barVersion Coax version ø 42.2 mm with multiple hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with gravity weightExchangeable cable ø 2 mm with gravity weight Exchangeable cable ø 2 mm with centering weightMaterials, wetted parts Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035) 316L Alloy C22 (2.4602) 316316L 316Threaded connection $\geq G%, \geq 3' NPT$ Flange connection $\geq ON25, \geq 1^{*}$ Flange connection $\geq ON25, \geq 1^{*}$ Flange connection $\geq DN25, \geq 1^{*}$ Beal material Pristic Aluminium Stainless steel (electropolished)Flange connection casting) Stainless steel (electropolished)Flange connection casting) Stainless steel (electropolished)	Show Product	Show Product
75 m-Process temperature -196450 °CMeasuring range - Pressure -11000 barProcess pressure -1400 barProcess temperature -90400 °CAccuracy $\pm 2 mm$ Process pressure -11000 barVersion Coax version ø 42.2 mm with multiple hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with gravity weightExchangeable cable ø 2 mm with gravity weight Exchangeable cable ø 2 mm with centering weightMaterials, wetted parts Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035) 316L Alloy C22 (2.4602) 316316L 316Threaded connection $\geq G%, \geq 3' NPT$ Flange connection $\geq ON25, \geq 1^{*}$ Flange connection $\geq ON25, \geq 1^{*}$ Flange connection $\geq DN25, \geq 1^{*}$ Beal material Pristic Aluminium Stainless steel (electropolished)Flange connection casting) Stainless steel (electropolished)Flange connection casting) Stainless steel (electropolished)		
-196 450 °C-1 1000 barProcess pressure -1 400 barProcess temperature 400 °CAccuracy $\pm 2 \text{ mm}$ Process pressure 1 1000 barVersion Coax version ø 21.3 mm with multiple hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with multiple hole Exchangeable code ø 16 mmAccuracy 0.2 % 0.1 %Exchangeable code ø 2 mm with gravity weight Exchangeable code ø 2 mm with centering weight Exchangeable code ø 2 mm with centering weight Exchangeable code ø 4 mm with centering weight Exchangeable code ø 4 mm with centering weight Alloy C22 (2.4602) Alloy C22 (2.4602) 316L Alloy C22 (2.4602) 3163Threaded connection $\geq 01/2, \geq 1/2Materials, wetted partsalloy C22 (2.4602)3163Threaded connection\geq 01/2, \geq 1/2Hygenic fittingsClamp \geq 1/2 NPTFlange connection\geq DN25, \geq 1^{*1}Flange connection\geq DN25, \geq 1^{*1}Hygenic fittingsClamp \geq 1/2, \geq 1/2Housing materialPlasticAluminiumStainless steel (electropolished)Seal materialHygenic fittingsFlange connection \geq DN30 DIN11864-1.A$		Measuring range - Distance
-196 450 °C-1 1000 barProcess pressure -1 400 barProcess temperature 400 °CAccuracy $\pm 2 \text{ mm}$ Process pressure 1 1000 barVersion Coax version ø 21.3 mm with multiple hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with multiple hole Exchangeable code ø 16 mmAccuracy 0.2 % 0.1 %Exchangeable code ø 2 mm with gravity weight Exchangeable code ø 2 mm with centering weight Exchangeable code ø 2 mm with centering weight Exchangeable code ø 4 mm with centering weight Exchangeable code ø 4 mm with centering weight Alloy C22 (2.4602) Alloy C22 (2.4602) 316L Alloy C22 (2.4602) 3163Threaded connection $\geq 01/2, \geq 1/2Materials, wetted partsalloy C22 (2.4602)3163Threaded connection\geq 01/2, \geq 1/2Hygenic fittingsClamp \geq 1/2 NPTFlange connection\geq DN25, \geq 1^{*1}Flange connection\geq DN25, \geq 1^{*1}Hygenic fittingsClamp \geq 1/2, \geq 1/2Housing materialPlasticAluminiumStainless steel (electropolished)Seal materialHygenic fittingsFlange connection \geq DN30 DIN11864-1.A$	Process temperature	Measuring range - Pressure
-1400 bar-90400 °CAccuracyProcess pressure $\pm 2 \text{ mm}$ -11000 barVersionCoax version $a 21.3 \text{ mm}$ with multiple holeAccuracyCoax version $a 22.2 \text{ mm}$ with single hole0.2 %Coax version $a 42.2 \text{ mm}$ with single hole0.1 %Coax version $a 42.2 \text{ mm}$ with gravity weightAlloy C22 (2.4602)Exchangeable cable $a 2 \text{ mm}$ with gravity weightAlloy C22 (2.4602)Exchangeable cable $a 4 \text{ mm}$ with centering weightTantalumExchangeable cable $a 4 \text{ mm}$ with centering weightDuplex (1.4462)Titanium Grade 2 (3.7035)316LAlloy C22 (2.4602)316/316LAlloy C22 (2.4602)316/316LAlloy C22 (2.4602)316/316LTitanium Grade 2 (3.7035)1.4435Salines stel (section) $\geq G'_{X_1} \geq '_X NPT$ Flange connection $\geq G'_{X_2} \geq '_X NPT$ Flange connection $\geq G'_{X_2} \geq '_X NPT$ Seal materialHygenic fittingsFKMGrapp $\geq 1^n \cdot DIN32676, ISO2852$ Slotieles steel (precision casting)Stainless steel (precision casting)Stainless steel (precision casting)Seal material	•	
AccuracyProcess pressure $\pm 2 \text{ mm}$ -1 1000 barVersionAccuracyCoax version ø 21.3 mm with multiple hole0.2 %Coax version ø 42.2 mm with single hole0.2 %Coax version ø 42.2 mm with multiple hole0.2 %Exchangeable cable ø 2 mm with gravity weightAlloy C22 (2.4602)Exchangeable cable ø 2 mm with centering weightAlloy C22 (2.4602)Exchangeable cable ø 2 mm with centering weightAlloy C27 (2.4819)Duplex (1.4462)Titanium Grade 2 (3.7035)Materials, wetted parts316/// 316//// 316/// 316/// 316//// 316//// 316//// 316///// 316//// 316//////// 316//////////	Process pressure	Process temperature
$\pm 2 \text{ mm}$ -1 1000 barVersionAccuracyCoax version $\phi$ 21.3 mm with multiple hole0.2 %Coax version $\phi$ 42.2 mm with single hole0.1 %Coax version $\phi$ 42.2 mm with gravity weightMaterials, wetted partsExchangeable cable $\phi$ 2 mm with gravity weightAlloy C22 (2.4602)Exchangeable cable $\phi$ 4 mm with centering weightAlloy C276 (2.4819)Exchangeable cable $\phi$ 4 mm with centering weightDuplex (1.4462)Titanium Grade 2 (3.7035)1.4435316LAlloy C22 (2.4602)Alloy C22 (2.4602)316Threaded connection2 G%, $\geq %$ NPTFlange connection $\geq G%, \geq % NPTFlange connection\geq Clmp \geq 1^nDN25, \geq 1^nPlasticHousing materialHygenic fittingsFKMgraphit and ceramicClamp \geq 1^n - DIN32676, ISO2852Housing materialHygenic fitting with tension flange DN32PlasticAluminiumStainless steel (precision casting)Seal materialStainless steel (electropolished)Seal material$	-1 400 bar	-90 400 °C
VersionAccuracyCoax version	Accuracy	Process pressure
Coax version $\phi$ 21.3 mm with multiple hole Coax version $\phi$ 42.2 mm with single hole Coax version $\phi$ 42.2 mm with single hole Exchangeable rod $\phi$ 16 mm Exchangeable cable $\phi$ 2 mm with gravity weight Exchangeable cable $\phi$ 2 mm with centering weight Exchangeable cable $\phi$ 4 mm with centering weight Exchangeable cable $\phi$ 4 mm with centering weight Exchangeable cable $\phi$ 4 mm with centering weight Alloy C22 (2.4602) Alloy 400 (2.4360) Tantalum Alloy C22 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035) 1.4435 316L Alloy C22 (2.4602) 316Materials, wetted parts Alloy C22 (2.4602) Titanium Grade 2 (3.7035) 1.4435 316L Threaded connection $\geq$ G½, $\geq$ ½ NPTFlange connection $\geq$ DN25, $\geq$ 1"Flange connection $\geq$ DN25, $\geq$ 1"Flange connection $\geq$ DN25, $\geq$ 1"Flange connection $\geq$ DN25, $\geq$ 1"Flange connection $\geq$ DN26, $\geq$ 1"Hygenic fittings Clamp $\geq$ 1".Clamp $\geq$ 1".Hygenic fitting SLN32 hygienic fitting S4 DN40 - DIN11864-2 Hygienic fitting S2 DN40 - DIN11864-2 Hygienic fitting S2 DN40 - DIN11864-2 Hygienic fitting S2 DN40 - DIN11864-1.ASeal material Plastic Aluminium Stainless steel (percision casting) Stainless steel (electropolished)Seal materialSeal material Seal material	± 2 mm	-1 1000 bar
Coax version $\emptyset$ 42.2 mm with single hole0.1 %Coax version $\emptyset$ 42.2 mm with multiple hole0.1 %Exchangeable rod $\emptyset$ 16 mmMaterials, wetted partsExchangeable cable $\emptyset$ 2 mm with gravity weightAlloy C22 (2.4602)Exchangeable cable $\emptyset$ 4 mm with centering weightAlloy 400 (2.4360)Exchangeable cable $\emptyset$ 4 mm with centering weightTantalumExchangeable cable $\emptyset$ 4 mm with centering weightDuplex (1.4462)Materials, wetted partsTitanium Grade 2 (3.7035)316L1.4435Alloy C22 (2.4602)316/316L316Threaded connection $\geq$ G3/4, $\geq$ 3/4 NPT $\geq$ G3/4, $\geq$ 3/4 NPTFlange connection $\geq$ DN25, $\geq$ 1"Seal materialHygenic fittingsFKM graphit and ceramicClamp $\geq$ 1" - DIN32676, ISO2852 Slotted nut $\geq$ 1½", $\geq$ DN40 - DIN 11851 hygienic fitting 40 with compression nut Hygienic fitting 5 DN40 - DIN11864-2 Hygienic fitting s $\geq$ DN40 - DIN11864-1-APlastic Aluminium Stainless steel (precision casting)Seal materialSeal materialSeal material	Version	Accuracy
Coax version $\emptyset$ 42.2 mm with multiple holeMaterials, wetted partsExchangeable cable $\emptyset$ 2 mm with gravity weightAlloy C22 (2.4602)Exchangeable cable $\emptyset$ 4 mm with centering weightAlloy 400 (2.4360)Exchangeable cable $\emptyset$ 4 mm with centering weightAlloy C276 (2.4819)Exchangeable cable $\emptyset$ 4 mm with centering weightDuplex (1.4462)Materials, wetted parts3161.Alloy C22 (2.4602)316316L3161.1.4435Alloy C22 (2.4602)316316L316Threaded connection $\ge$ G3/4, $\ge$ ½ NPTFlange connection $\ge$ G1/4, $\ge$ ½ NPTFlange connection $\ge$ DN25, $\ge$ 1"Seal materialHygenic fittingsFKMClamp $\ge$ 1" $\ge$ DN25, $\ge$ 1"Housing materialHygenic fittingsPlasticAluminiumAluminiumStainless steel (precision casting)Stainless steel (electropolished)Seal material	Coax version ø 21.3 mm with multiple hole	0.2 %
Exchangeable rod ø 16 mmMaterials, wetted partsExchangeable cable ø 2 mm with gravity weightAlloy C22 (2.4602)Exchangeable cable ø 4 mm with centering weightAlloy 400 (2.4360)Exchangeable cable ø 4 mm with centering weightAlloy C276 (2.4819)Exchangeable cable ø 4 mm with centering weightDuplex (1.4462)Materials, wetted partsTitanium Grade 2 (3.7035)316L1.4435Alloy C22 (2.4602)316/316LThreaded connection $2 G'_A \ge ½ NPT$ Flange connection $\geq G'_A \ge ½ NPT$ Flange connection $\geq DN25, \ge 1"$ Seal materialHygenic fittingsFKMClamp $\ge 1" - DIN32676, ISO2852$ graphit and ceramicHygienic fitting F40 with compression nutHousing materialHygienic fitting F40 with compression nutPlasticAluminiumAluminiumStainless steel (electropolished)Seal materialSeal material	Coax version ø 42.2 mm with single hole	0.1 %
Exchangeable rable of b forminExchangeable cable	Coax version ø 42.2 mm with multiple hole	
Linking basis of L min min gravity weight Exchangeable cable $e 4 \text{ mm with gravity weight}$ Exchangeable cable $e 2 \text{ mm with centering weight}$ Alloy 400 (2.4360) Tantalum Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035) 316L 316L 316Materials, wetted parts 316L Alloy C22 (2.4602) 316Titanium Grade 2 (3.7035) 316/216L Titanium Grade 7 (3.7235)Threaded connection $\geq G^{2}_{4}, \geq \frac{1}{4} \text{ NPT}$ Threaded connection $\geq G^{1}_{4}, \geq \frac{1}{4} \text{ NPT}$ Flange connection $\geq DN25, \geq 1^{"}$ Flange connection $\geq DN25, \geq 1^{"}$ Seal material PFKM graphit and ceramicHygenic fittings Clamp $\geq 1^{"} - DIN32676, ISO2852$ Slotted nut $\geq 1\frac{1}{2}, \geq DN40 - DIN 11861 - 1A$ Hygienic fittings $\geq DN40 - DIN 11864-1-A$ Hygienic fittings $\geq DN40 - DIN 11864-1-A$	Exchangeable rod ø 16 mm	
Linking geable cable $\sigma$ 2 mm with centering weightTantalumExchangeable cable $\sigma$ 2 mm with centering weightAlloy C276 (2.4819)Materials, wetted partsTitanium Grade 2 (3.7035)316L1.4435Alloy C22 (2.4602)316/J16L316Titanium Grade 7 (3.7235)Threaded connection $\geq$ G½, $\geq$ ½ NPT $\geq$ G½, $\geq$ ½ NPT $\geq$ GV2, $\geq$ ½ NPTFlange connection $\geq$ DN25, $\geq$ 1"Seal materialFKMFFKMClamp $\geq$ 1" - DIN32676, ISO2852graphit and ceramicStoted nut $\geq$ 1½", $\geq$ DN40 - DIN 11851Housing materialHygenic fitting with tension flange DN32hygienic fitting SFLange connection $\geq$ DN50 DIN11864-2AluminiumStainless steel (electropolished)		
Exchangeable cable of 2 mm with centering weightAlloy C276 (2.4819)Materials, wetted partsJuplex (1.4462)316L1.4435Alloy C22 (2.4602)316/316L316Threaded connection $\geq G^3/_4 \geq 3'_4$ NPT $\geq G'_{2,2} \geq 1''$ Flange connection $\geq G'_{2,2} \geq 1''$ Seal materialFKMFKMClamp ≥ 1" - DIN32676, ISO2852graphit and ceramicSlotted nut $\geq 11/2'', \geq DN40 - DIN 11851$ hygienic fittingsClamp ≥ 1" - DIN32676, ISO2852Slotted nut $\geq 11/2'', \geq DN40 - DIN 11851$ Housing materialHygienic fitting F40 with compression nutPlasticHygienic fittings $\geq DN40 - DIN11864-2$ AluminiumStainless steel (electropolished)		
Materials, wetted partsDuplex (1.4462)316L1.4435Alloy C22 (2.4602)316/316L316Titanium Grade 2 (3.7035)Threaded connection316/316L $\geq G3/4$ , $\geq 3/4$ NPT $\geq G1/2$ , $\geq 3/2$ NPTFlange connection $\geq G1/2$ , $\geq 3/2$ NPTFlange connection $\geq ON25$ , $\geq 1^{"}$ Seal materialHygenic fittingsFFKMClamp $\geq 1^{"}$ , $\geq DN25$ , $\leq 1^{"}$ Housing materialHygenic fitting F40 with compression nutPlasticAluminiumAluminiumStainless steel (precision casting)Stainless steel (electropolished)Seal material		
Materials, wetted partsTitanium Grade 2 (3.7035) $316L$ $1.4435$ Alloy C22 (2.4602) $316/316L$ $316$ Titanium Grade 7 (3.7235)Threaded connectionThreaded connection $\geq G'_4, \geq \frac{1}{4}$ NPT $\geq G'_2, \geq \frac{1}{2}$ NPTFlange connection $\geq G'_2, \geq \frac{1}{2}$ NPTFlange connection $\geq DN25, \geq 1^n$ Seal materialHygenic fittingsFFKMClamp $\geq 1^n - DIN32676$ , ISO2852graphit and ceramicHygenic fitting with tension flange DN32Housing materialHygienic fitting F40 with compression nutPlasticHygienic fittings $\geq DN40 - DIN11864-2$ AluminiumStainless steel (precision casting)Stainless steel (electropolished)Seal material	Exchangeable cable ø 4 mm with centering weight	
316L Alloy C22 (2.4602) 3161.4435 316/316L Titanium Grade 7 (3.7235)Threaded connection $\geq G^{1/2}, \geq ^{1/2}$ NPTThreaded connection $\geq G^{1/2}, \geq ^{1/2}$ NPTFlange connection $\geq DN25, \geq 1"$ $G^{1/2}, \geq ^{1/2}$ NPTSeal material FFKM graphit and ceramicHygenic fittings Clamp $\geq 1" - DIN32676, ISO2852$ Slotted nut $\geq 1^{1/2}, \geq DN40 - DIN 11851$ hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic flatings $\geq DN40 - DIN11864-2$ Hygienic fittings $\geq DN40 - DIN11864-2$ Hygienic fittings $\geq DN40 - DIN11864-1-A$ Stainless steel (electropolished)Seal material	Materials, wetted parts	
Alloy C22 (2.4602) 316 $316/316L$ Titanium Grade 7 ( $3.7235$ )Threaded connection $\geq G^3/4, \geq 3/4$ NPT $\exists G'_2, \geq 1/2$ NPTFlange connection $\geq DN25, \geq 1"$ $\exists G'_2, \geq 1/2$ NPTSeal material FFKM graphit and ceramicHygenic fittings Clamp $\geq 11^{\circ}, \geq DN32676$ , ISO2852 Slotted nut $\geq 11/2^{\circ}, \geq DN32676$ , ISO2852 Hygienic fitting F40 with compression nut Hygienic fitting F40 with compression nut Hygienic fitting s $\geq DN40 - DIN11864-2$ Hygienic fittings $\geq DN40 - DIN11864-1-A$ Stainless steel (precision casting) Stainless steel (electropolished)Seal material		
316Titanium Grade 7 (3.7235)Threaded connectionThreaded connection $\geq$ G¼, $\geq$ ¾ NPT $\geq$ G¼, $\geq$ ½ NPTFlange connection $\geq$ G¼, $\geq$ ½ NPT $\geq$ DN25, $\geq$ 1"Flange connectionSeal materialHygenic fittingsFFKM graphit and ceramicClamp $\geq$ 1" - DIN32676, ISO2852 Slotted nut $\geq$ 1½", $\geq$ DN40 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienice flange connection $\geq$ DN25 duite flange connectionPlastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)Seal material		
Threaded connectionThreaded connection $\geq$ G¼, $\geq$ ½ NPT $\geq$ G½, $\geq$ ½ NPTFlange connection $\geq$ G½, $\geq$ ½ NPT $\geq$ DN25, $\geq$ 1" $\geq$ DN25, $\geq$ 1"Seal materialHygenic fittingsFFKM graphit and ceramicClamp $\geq$ 1" - DIN32676, ISO2852 Slotted nut $\geq$ 1½", $\geq$ DN40 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nutPlastic AluminiumHygenic fittings $\geq$ DN40 - DIN11864-2 Hygienic fittings $\geq$ DN40 - DIN11864-2 Hygienic fittings $\geq$ DN40 - DIN11864-1-AStainless steel (precision casting) Stainless steel (electropolished)Seal material		
$ \geq G_{34}^{1}, \geq \frac{3}{4} \text{ NPT} $ Flange connection $ \geq DN25, \geq 1^{"} $ Flange connection $ \geq DN25, \geq 1^{$	Threaded compation	
≥ DN25, ≥ 1"       ≥ DN25, ≥ 1"         Seal material       Hygenic fittings         FFKM       Clamp ≥ 1" - DIN32676, ISO2852         graphit and ceramic       Slotted nut ≥ 1½", ≥ DN40 - DIN 11851         Housing material       hygienic fitting with tension flange DN32         Plastic       Hygienic fittings < Clamp ≥ 1"		
≥ DN25, ≥ 1"       ≥ DN25, ≥ 1"         Seal material       Hygenic fittings         FFKM       Clamp ≥ 1" - DIN32676, ISO2852         graphit and ceramic       Slotted nut ≥ 1½", ≥ DN40 - DIN 11851         Housing material       hygienic fitting with tension flange DN32         Plastic       Hygienic fittings = DN40 - DIN 11864-2         Aluminium       Hygienic fittings ≥ DN40 - DIN11864-2         Stainless steel (precision casting)       Seal material	Flange connection	Flange connection
FFKM       Clamp ≥ 1" - DIN32676, ISO2852         graphit and ceramic       Slotted nut ≥ 1½", ≥ DN40 - DIN 11851         Housing material       hygienic fitting with tension flange DN32         Plastic       hygienic fitting F40 with compression nut         Aluminium       Hygienic flange connection ≥ DN50 DIN11864-2         Stainless steel (precision casting)       Seal material		
graphit and ceramic       Slotted nut ≥ 1½", ≥ DN40 - DIN 11851         Housing material       hygienic fitting with tension flange DN32         Plastic       hygienic fitting F40 with compression nut         Aluminium       Hygienic flange connection ≥ DN50 DIN11864-2         Stainless steel (precision casting)       Seal material	Seal material	Hygenic fittings
Housing material     hygienic fitting with tension flange DN32       Plastic     hygienic fitting F40 with compression nut       Aluminium     Hygienic flange connection ≥ DN50 DIN11864-2       Stainless steel (precision casting)     Hygienic fittings ≥ DN40 - DIN11864-1-A       Stainless steel (electropolished)     Seal material	FFKM	Clamp ≥ 1" - DIN32676, ISO2852
Housing material       hygienic fitting F40 with compression nut         Plastic       Hygienice flange connection ≥ DN50 DIN11864-2         Aluminium       Hygienic fittings ≥ DN40 - DIN11864-1-A         Stainless steel (precision casting)       Seal material	graphit and ceramic	Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
Plastic     Hygienic italing 140 with compression nat       Plastic     Hygienic italing 140 with compression nat       Aluminium     Hygienic flange connection ≥ DN50 DIN11864-2       Stainless steel (precision casting)     Hygienic fittings ≥ DN40 - DIN11864-1-A       Stainless steel (electropolished)     Seal material	Heurine meterial	hygienic fitting with tension flange DN32
Aluminium     Hygienice nange connector 2 Divor Div Hot-2       Stainless steel (precision casting)     Hygienic fittings ≥ DN40 - DIN11864-1-A       Stainless steel (electropolished)     Seal material		hygienic fitting F40 with compression nut
Stainless steel (precision casting)     Stainless steel (electropolished)       Seal material		
Stainless steel (electropolished) Seal material		Hygienic fittings ≥ DN40 - DIN11864-1-A
		Seel meterial

