Overview of media resistance

Important NOTE
The combination of pressure connection and pressure transducer material is of fundamental importance in determining the media resistance.
The following table shows the resistances of various media.

The data of a.m. table does not only result from laboratory tests but also from long-lasting experiences. These are reference points. As the chemical effect of a given media may be affected by additives, temperature differences and mixtures amongst themselves, we recommend to carry out a media resistance test before using the product. Please pay special attention to the electrochemical corrosive effect in combination with other metals and existing and corrosive medium.
The use must be in accordance with the appropriate standards.

The aforementioned details do not entitle for any legal claim. We definitely do neither take over any warranty nor liability.

	Diaphragm material / Membran								Pressure connection					
Medium*	CR	Stain-less steel	EPDM	FKM	NBR	NBR/ SBR	POM	TPE	Aluminium die-cast	Stainless steel	Stainless steel / brass	Brass	PA 66 +GF	Steel, galvanised
Aceton $CH_3COCH_{3Aceton}$		1	1	X					1	1	1	1	1	
Acetylene HC = CHAcetylen		1	1				1	1	1	1	1	1	1	1
Ammonia, liquid 100%		1		X						1			1	
Ammonia, 25 % (Salmiakgeist)	1	1							1	1			1	
Petrol (Benzin)	1	1	X	2	2		2	2	1	1	1	1	1	1
Benzene (Benzol)		1	X	2					1	1	1	1	1	
Butane (Butan) $C_4H_{10Butan}$	1	1	X	1	1		2	1	1	1	1	1	1	1
Butyl acetate (Butylacetat) $CH_3COOC_4H_{9Butylacetat}$		1	X	X			2	2	2	1			1	
Butyl alcohol (Butylalkohol) CH_3-CH_2-CH_2-CH_2-OHButylalkohol	1	1		2	2		2		1	1	1	1	1	
Chlorine (Chlor) Cl_2Chlor		1	X	2						1				
Diesel		1	X	1	1	2	1		1	1			1	
Dimenthylbenzene (Dimethylben-zol) $C_6H_4(CH_3)_{2Dimethylbenzol}$		1	X	2					1	1				
Natural gas (Erdgas)	1	1	X	1	2		1		2	1			1	
Petroleum (Erdöl)	1	1	X	1			1		1	1			1	
Vinegar (Essig) 25 %		1	1				2		2	1				
Ethylene glycol (Ethylenglycol) CH_2OH- $CH_2OH_{Ethylenglycol}$	1	1	1	1	1		1	1	2	1				
Ethyl acetate (Ethylacetat) $CH_3OOOC_2H_{5Ethylacetat}$ CH3OOOC2H5		1	X				1	2	1	1				
Glycerol CH_2OH-CHOH-$CH_2OH_{Glycerol}$	1	1		1	1		1							
Fuel oil (Heizöl)		1	X	1	1		1		1	1			1	
Urine (Harn /Urin)	1	1	1	1	1		1		2	1			1	
Carbone dioxide (Kohlendioxid) $CO_{2Kohlendioxid}$ CO_2	1	1	2	1	1		1	1		1			1	
Carbonic acid (Kohlensäure) $H_2CO_{3Kohlensäure}$	1	1	2	1	1		1			1			2	
Cooling liquid (Kühlflüssigkeit)		1		1		2				1				
Air (Luft)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Methyl cloride (Methylchlorid) CH_3Cl		1	X				1			1				
Mineral oil (Mineralöle)	2	1	X	1	1	2	1	1	1	1			1	1
Ozone (Ozon)		1	1	1					2	1				

1 = resistant, 2 = limited resistance, x = not resistant, empty field = not tested
*) Made of corrosion-chemical point of view please note when installing the pressure switch (G-AlSi 12) on pipes, fittings or fittings material selection. The installation must be in accordance with the relevant standards - Flange.

Overview of media resistance

Medium*	Diaphragm material / Membran								Pressure connection					
	CR	Stain-less steel	EPDM	FKM	NBR	NBR/ SBR	POM	TPE	Aluminium die-cast	Stainless steel	Stainless steel / brass	Brass	PA 66 +GF	Steel, galvanised
Perchlorethylen $CCl_2=CCL_{2Perchlorethylen}$ $CCl_2=CCL_2$		1	X							1				
Vegetaible oil (Pflanzenöl)		1	X	1	1		2		1	1				
Phenolic acid (Phenolsäure) $C_6H_5(OH)_{Phenolsäure}$ $C_6H_5(OH)$		1								1				
Propane (Propan) C_3H_8	1	1	X	1	1		1		1	1	1	1	1	
Oxygen (Sauerstoff) O		1	1	1			1		1	1	1	1	1	
Schielding gases (Schutzgase)		1								1				
Sulfur dioxide (Schwefeldioxid) SO_2		1	X	2						1				
Silicone oil (Silikonöl)	1	1	1	1	1		1		1	1	1	1	1	
Nitrogen (Stickstoff) N_2	1	1	1	1	1		1		1	1	1	1	1	
Synthetic oil (Synthetische Öle)		1		1	1	2	1		1	1			1	
Toulouene (Toluen /Phenylmet-han) $C_6H_5CH_3$		1	X						1	1	1	1	1	
Trichlorethene $CHCl=CCl_2$		1	X							1				
Water (Wasser) H_2O	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Water Distelled, aired (Wasser Destilliert, entlüftet)	1	1	1	1	1		1	1	2	1			1	1
Hydrogem (Wasserstoff) H_2	1	1	1	1	1		1	1	1	1	1	1	2	
Water - Sea water (Wasser Meerwasser)	1	2	1	1	1		1	1	2	2			1	
Water - vapor (Wasserdampf)		1		1					1	1	2	2		

Pressure switches	Pressure connection	Diaphragm material / Membran							
	material	CR	Stain-less steel	EPDM	FKM	NBR	NBR / SBR	POM	TPE
MDR 1	Aluminium die-cast								X
MDR 11	Aluminium die-cast								X
MDR 1	Steel, galvanised								X
MDR 11	Steel, galvanised								X
MDR 2	Aluminium die-cast						X		
MDR 21	Aluminium die-cast						X		
MDR 3	Aluminium die-cast	X				X	X		
MDR 4	Aluminium die-cast						X		
MDR 43	Aluminium die-cast	X							
MDR 5	Aluminium die-cast			X		X			
MDR 5	Stainless steel / PA 66 + GF			X		X			
MDR 5	Brass / PA 66 + GF					X			
MDR 53	Aluminium die-cast	X							
MDR P	Brass	X			X	X			
MDR K	Aluminium die-cast					X			X
MDR F	Aluminium die-cast	X			X	X			
MDR F	PA 66 + GF	X			X	X			
MDR F (>32 bar)	Stainless steel / Brass							X	
MDR F	Stainless steel		X						X

1 = resistant, 2 = limited resistance, x = not resistant, empty field = not tested

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