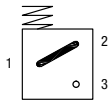
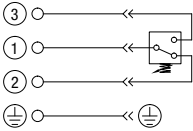
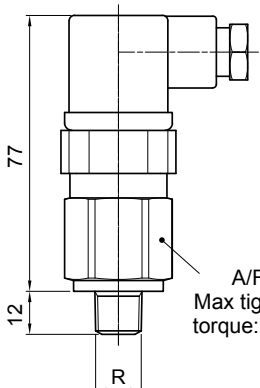
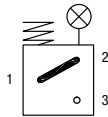
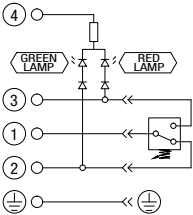
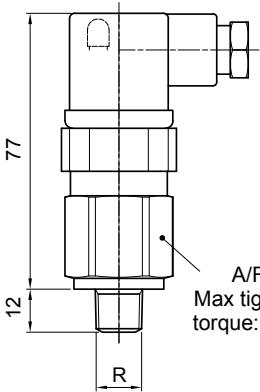
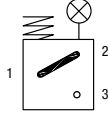
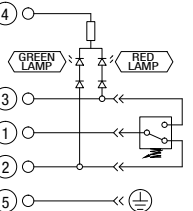
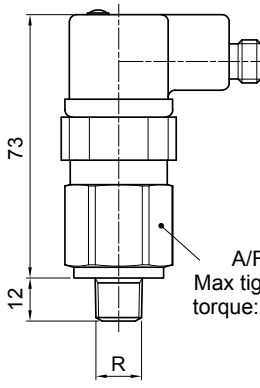


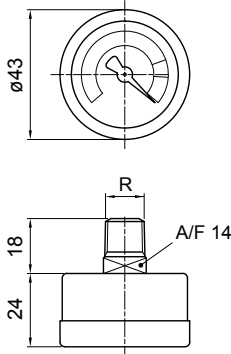
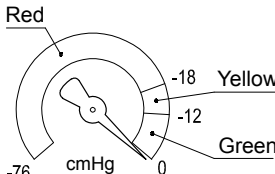
VACUUM INDICATORS

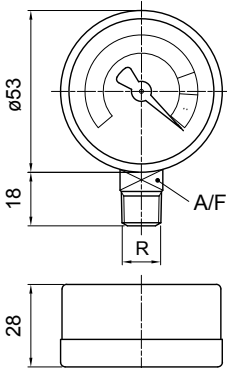
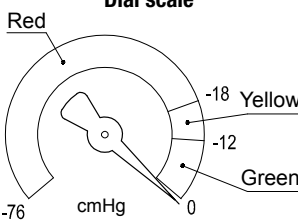
Dimensions

VE*50		Hydraulic symbol		Materials	
Electrical Vacuum Indicator				- Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: NBR	
R	Ordering code	Electrical symbol		Technical data	
EN 10226 - R1/4"	VE A 21 A A 50 P01			- Vacuum setting: -0.21 bar ±10% - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529	
EN 10226 - R1/8"	VE B 21 A A 50 P01			Electrical data	
				- Electrical connection: EN 175301-803 - Resistive load: 5 A / 14 Vdc 4 A / 30 Vdc 5 A / 125 Vac 4 A / 250 Vac - Available Atex product: II 1GD Ex ia IIC Tx Ex ia IIIC Tx °C X - CE certification: 	

VL*51 - VL*52 - VL*53		Hydraulic symbol		Materials	
Electrical/Visual Vacuum Indicator				- Body: Brass - Base: Transparent Nylon - Contacts: Brass - Nylon - Seal: NBR	
R	Ordering code	Electrical symbol		Technical data	
EN 10226 - R1/4"	VL A 21 A A xx P01			- Vacuum setting: -0.21 bar ±10% - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529	
EN 10226 - R1/8"	VL B 21 A A xx P01			Electrical data	
				- Electrical connection: EN 175301-803 - Type: 51 52 53 - Lamps: 24 Vdc 110 Vdc 230 Vac - Resistive load: 1 A / 24 Vdc 1 A / 110 Vdc 1 A / 230 Vac	

VL*71		Hydraulic symbol		Materials	
Electrical/Visual Vacuum Indicator				- Body: Brass - Base: Black Nylon - Contacts: Silver - Seal: NBR	
Connections	Indicator code	Electrical symbol		Technical data	
EN 10226 - R1/4"	VL A 21 A A 71 P01			- Vacuum setting: -0.21 bar ±10% - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529	
EN 10226 - R1/8"	VL B 21 A A 71 P01			Electrical data	
				- Electrical connection: IEC 61076-2-101 D (M12) - Lamps: 24 Vdc - Resistive load: 0.4 A / 24 Vdc	

VVA - VVB		
Axial Vacuum Gauge		
R	Ordering code	
EN 10226 - R1/4"	VVA 16 P01	
EN 10226 - R1/8"	VVB 16 P01	
		
		
Dial scale		
		
Conversion to SI units		
[cmHg]	[bar]	
-12	-0.16	
-18	-0.24	
-76	-1.01	
Materials		
- Case:	Painted Steel	
- Window:	Transparent plastic	
- Dial:	Painted Steel	
- Pointer:	Painted Aluminium	
- Pressure connection:	Brass	
- Pressure element:	Bourdon tube Cu-alloy soft soldered	
Technical data		
- Max working pressure:	Static: 7 bar Fluctuating: 6 bar Short time: 10 bar	
- Working temperature:	From -40 °C to +60 °C	
- Compatibility with fluids:	Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943	
- Accuracy:	Class 2.5 according to EN 13190	
- Degree of protection:	IP31 according to EN 60529	

VVR - VVS		
Radial Vacuum Gauge		
R	A/F	Ordering code
EN 10226 - R1/4"	14	VVR 16 P01
EN 10226 - R1/8"	11	VVS 16 P01
		
		
Dial scale		
		
Conversion to SI units		
[cmHg]	[bar]	
-12	-0.16	
-18	-0.24	
-76	-1.01	
Materials		
- Case:	Painted Steel	
- Window:	Transparent plastic	
- Dial:	Painted Steel	
- Pointer:	Painted Aluminium	
- Pressure connection:	Brass	
- Pressure element:	Bourdon tube Cu-alloy soft soldered	
Technical data		
- Max working pressure:	Static: 7 bar Fluctuating: 6 bar Short time: 10 bar	
- Working temperature:	From -40 °C to +60 °C	
- Compatibility with fluids:	Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943	
- Accuracy:	Class 2.5 according to EN 13190	
- Degree of protection:	IP31 according to EN 60529	

Designation & Ordering code

VACUUM INDICATORS									
Series		Configuration example 1:							
VE Electrical vacuum indicator		VE	A	21	A	A	50	P01	
VL Electrical/Visual vacuum indicator		VL	B	21	A	A	71	P01	
VV Vacuum gauge		VV	R	16				P01	
Type VE - VL		Type VV							
A Connection EN 10226 - R1/4"		A Axial connection EN 10226 - R1/4"							
B Connection EN 10226 - R1/8"		B Axial connection EN 10226 - R1/8"							
		R Radial connection EN 10226 - R1/4"							
		S Radial connection EN 10226 - R1/8"							
Vacuum setting		VE	VL	VV					
16 -0.16 bar				•					
21 -0.21 bar		•	•						
Seals		VE	VL						
A NBR		•	•						
Thermostat		VE	VL						
A Without		•	•						
Electrical connections		VE	VL						
50 Connection EN 175301-803		•							
51 Connection EN 175301-803, transparent base with lamps 24 Vdc				•					
52 Connection EN 175301-803, transparent base with lamps 110 Vdc				•					
53 Connection EN 175301-803, transparent base with lamps 230 Vdc				•					
71 Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc				•					
Option									
P01 MP Filtri standard									
Pxx Customized									

