

DREXELBROOK®

Safety IntelliPoint RF™ Series

Point Level, SIL2 Certified Safety Switch



Intelligent Electronics

- 2 Wire or Line Powered.
- Meets Title 49 Part 195 DOT and API 2350 regulations.
- For use in safety related systems with requirements for functional safety for SIL2 (SIL 3 with Redundant Switch) In accordance to IEC61508-2.
- No calibration or setpoint adjustments.
- Automatically recognizes and ignores coatings to prevent false alarms.
- Continuous self-test monitors circuits and sensing elements for faults.
- Remote or Integral Electronics.

Diverse Applications

• Liquids, Slurries, Interfaces and Granulars.

Dual Compartment Housing

The dual compartment housing separates the customer wiring from the sensing element and operating circuits. The encapsulated power supply/terminal block design eliminates the possibility of damage caused by moisture in the conduit.

One of the Drexelbrook RF Point Level Switches You Won't Have to Calibrate

The RF switch you won't calibrate. Simply install the IntelliPoint RF Series into the tank and apply power... that's it! Unlike other RF or capacitance systems that require calibration via setpoint potentiometers, jumpers, magnets, or pushbuttons, the IntelliPoint RF Series reliably detects the absence or presence of material without any adjustments.

Self-Test Feature

Automatic and Local or Remote Manual test functions ensure proper system operation.

Auto Verify™

Each IntelliPoint™ is supplied with a continuous self-test feature that constantly monitors the integrity of not just the electronics, but the sensing element and interconnecting cable. If a fault is detected, the IntelliPoint Auto Verify™ feature alerts plant personnel.

Manual Certify™

The IntelliPoint™ provides a method to manually test the entire system without removing the sensor from the tank. The Manual Certify Test checks that the Auto Verify circuits are operating and confirms the probe and cables are properly connected. The Manual Certify also allows the IntelliPoint™ electronics to sense changes in the probe that simulate contact with the media or a floating roof. This provides the user with a method to insure working performance without having to climb the tank. At the completion of the Certify test routine, the output is momentarily held in the alarm state so personnel can confirm that the control circuits connected to the Final Control Element are functioning properly.



Safety IntelliPoint RF™ Series

Specifications

Technology: RF Admittance/Capacitance

Calibration: None

Modes Of Operation: High Level Fail Safe

Repeatability: 2 mm (0.08 inch) conductive liquids

Response Time: Less than one second

Indicators: LEDs: Green Power, Red Alarm

Self-Check: AutoVerify automatically and continuously checks electronics and sensing element for faults. Manual Certify checks that the AutoVerify circuits are functioning.

Time Delay: 0-60 seconds, forward acting

2 Wire Loop Powered:

Power Supply: 13 to 30 VDC Note: The minimum supply voltage at the transmitter terminal is: 13 VDC at 22mA (Fault) 19 VDC at 5mA (Fault)

Power Consumption: 1 Watt maximum

Output: (or field-selectable) 8 mA - Alarm 8 mA - Normal 16 mA - Alarm 16 mA - Normal 5 mA - Fault 22 mA - Fault

Line Powered:

Power Supply: Universal Supply

85 to 250 VAC

21 to 100 VDC Auto-Detecting w/o Jumper Changes

DC to 400 Hz

Power Consumption: 2 Watts maximum

Relay Contacts: (2) SPDT Maximum Contact Load:

5A/30 VDC/ 5A/250 VAC - Environmentally Sealed

Minimum Contact Load (DC):

100 mA/12 VDC

0 to 200 mA / 12 VDC Optional

Ambient Electronic Temperature:

-30 to 58°C (-22 to 136°F) IECEx Line Powered -30 to 70°C (-22 to 158°F) ATEX / IECEx 2 Wire

-40 to 70°C (-40 to 158°F) FM / FMC

Storage Temperature:

-40 to 85°C (-40 to 185°F)

Housing: Dual Compartment, Powder-Coated aluminum

with two cable entries

Cable Entry:

M20 x 1.5 (ATEX / IECEx) 34-inch NPT (FM / FMc)

Ingress Protection:

IP66 NEMA 4, 4X

Approvals:

The IntelliPoint RF Point Level System Transmitter has been evaluated as Explosion-proof for use in Class I, Division 1, Groups A, B, C, and D, Dust-Ignition proof for use in Class II and III, Division 1, Groups E, F, and G; Non-incendive for use in Class I, Division 2, Groups A, B, C, and D;

Suitable for use in Class II and III, Division 2, Groups F and G Hazardous (Classified) Indoor and Outdoor (Type 4, 4X, IP66) Locations with Intrinsically Safe connections to Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G Hazardous (Classified) locations.

Reference control drawing 420-0004-144-CD for the SxRxL Series and Control Drawing 420-0004-173-CD for the SxRxT Series; Intrinsically Safe for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G hazardous (Classified) locations in accordance with entity requirements and control drawing 420-0004-173-CD.

ATEX: (FM14ATEX0049)



2 Wire Loop Powered

II 1 G Ex ia IIC T5...T2 -30°C \leq TAMB \geq +70°C; IP66 II 1 D Ex ia IIIC T90°C -30°C \leq TAMB \geq +70°C; IP66

Line Powered

II 2 (1) G Ex d [ia] IIC T5...T2 -30°C \leq TAMB \geq +70°C; IP66 II 2 (1) D Ex tb [ia] IIIC T90°C -30°C \leq TAMB \geq +70°C; IP66

Reference control drawing 420-0004-175-CD for SxRxT and 420-0004-146-CD for SxRxL entity and installation requirements

IECEx: (FTZU 18.0007X)

2 Wire Loop Powered Ex ia IIC T5 Ga Ex ia IIIC T90°C Da -30°C ≤ Ta ≤ 70°C

Line Powered

System: Ex db ia [ia Ga] IIC T5 Gb/Ga Sensor: Ex ia IIC T5 Ga Ex tb ia [ia Da] IIIC T90°C Db/Da Ex ia IIIC T90°C Da -30°C ≤ Ta ≤ 58°C $-30^{\circ}\text{C} \leq \text{Ta} \leq 58^{\circ}\text{C}$

Reference control drawing 420-0004-562-CD for SxRxT and 420-0004-563-CD for SxRxL entity and installation requirements



MTTF (Mean Time to Failure):

285 Years, Independently Tested

Safety:

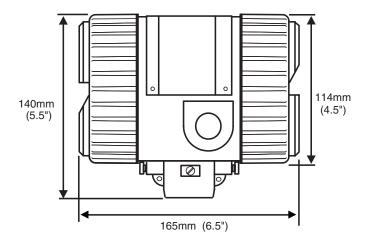


A SIL2 (SIL 3 with Redundant Switch) IEC61508-2 ed2, 2010 (EXIDA)



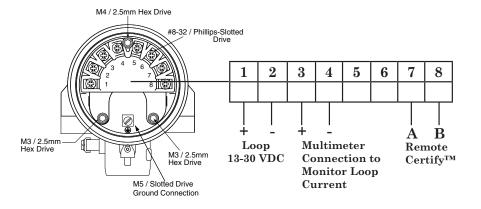
Safety IntelliPoint RF™ Series

Dimensions

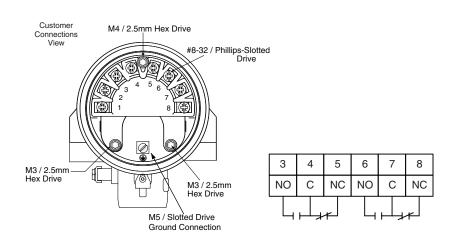


Input Wiring

2 Wire Loop



Line Powered

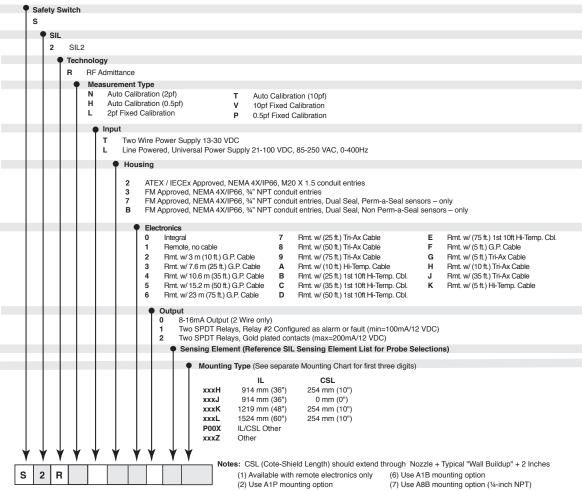




Safety IntelliPoint RF™ Series

Model Numbering

Safety IntelliPoint RF ™



- (3) Choose only sanitary mounting options
- (8) Choose from flange mounting only
- (4) Available with 0-inch CSL only
- (5) Use P00X mounting option
- (9) FM approved with remote electronics only

Not all mounting options are available with all sensing elements

NPT	Threads							
A1B	34"NPT	316SS			A2B	1"NPT	3168	S
A1C	34"NPT	Hastelloy C			A2C	1"NPT	Haste	lloy C
A1P	34"NPT	PFA	١					
DIN Flanges								
E01	25 mm	16 bar	RF 316/316l	SS	E02	25 mm	16 bar	RF CS
EP1	25 mm	40 bar	RF 316/316l	SS	EP2	25 mm	40 bar	RF CS
EQ1	50 mm	16 bar	RF 316/316l	SS	EQ2	50 mm	16 bar	RF CS
ER1	50 mm	40 bar	RF 316/316l	SS	ER2	50 mm	40 bar	RF CS
ES1	80 mm	16 bar	RF 316/316l	SS	ES2	80 mm	16 bar	RF CS
ET1	80 mm	40 bar	RF 316/316l	SS	ET2	80 mm	40 bar	RF CS
EU1	100 mm	16 bar	RF 316/316l	SS	EU2	100 mm	16 bar	RF CS
EV1	100 mm	40 bar	RF 316/316l	SS	EV2	100 mm	40 bar	RF CS
EW1	150 mm	16 bar	RF 316/316l		EW2	150 mm	16 bar	RF CS
EX1	150 mm	40 bar	RF 316/316l	SS	EX2	150 mm	40 bar	RF CS

Sanitary TriClamps									
C2B	1"T	riClamp	316SS	C4B	2"Tri	Clamp		316SS	
C3B	1½"T	riClamp	316SS						
ANSI Flanges									
DA1	1"	150#	RF 316/316L	SS	DA2	1"	150#	RF CS	
DB1	11/2"	150#	RF 316/316L	SS	DB2	1½"	150#	RF CS	
DC1	2"	150#	RF 316/316L	SS	DC2	2"	150#	RF CS	
DD1	21/2"	150#	RF 316/316L	SS	DD2	21/2"	150#	RF CS	
DE1	1"	300#	RF 316/316L	SS	DE2	1"	300#	RF CS	
DF1	11/2"	300#	RF 316/316L	SS	DF2	11/2"	300#	RF CS	
DG1	2"	300#	RF 316/316L	SS	DG2	2"	300#	RF CS	
DH1	21/2"	300#	RF 316/316L	SS	DH2	21/2"	300#	RF CS	
DI1	3"	150#	RF 316/316L	SS	DI2	3"	150#	RF CS	
DJ1	3"	300#	RF 316/316L	SS	DJ2	3"	300#	RF CS	
DK1	4"	150#	RF 316/316L	SS	DK2	4"	150#	RF CS	
DL1	4"	300#	RF 316/316L	SS	DL2	4"	300#	RF CS	
DM1	6"	150#	RF 316/316L	SS	DM2	6"	150#	RF CS	
DN1	6"	300#	RF 316/316L	SS	DN2	6"	300#	RF CS	



IntelliPoint RF™ Series

SIL Sensing Element List

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	#	Application	Sensing Element Part Number	Pressure/Temperature	Wetted Parts	
	00	General purpose	700-1202-001 Remote	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and PEEK	
			700-1202-021 Integral			
	02	General purpose, longer insertion lengths w/cable attachment and 316/316L SS bottom weight	700-1202-014 Remote	13.8 bar @ 177°C (200 PSI @ 350°F)	316/316L SS and PEEK	
			700-1202-024 Integral			
	03	Proximity	700-1202-018 Remote	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and PEEK with 76mm (3) 216SS proximity plate	
			700-1202-028 Integral			
	04	General purpose, high temperature and pressure	700-1202-041 Remote	69 bar @ 121°C (1000 PSI @ 250°F)	316/316L SS and PEEK[]	
			700-1202-042 Integral	20.7 bar @ 232°C (300 PSI @ 450°F)		
	06	General purpose with FDA approved materials of construction	700-1202-031 Remote	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and FDA grade PEEK	
			700-1202-032 Integral			
	07	General purpose for granular materials	700-1202-010 Remote 700-1202-020 Integral	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and PEEK with 7/8 inch dia. 316/316L SS collar	
	_		700-1202-020 Integral 700-1202-033 Remote		245 (245) 55 1524 1 2554 11 265 1 1 2 245 (245)	
ţ	09	General purpose for granular materials w/FDA approved materials of construction	700-1202-034 Integral	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and FDA grade PEEK with 7/8 inch dia. 316/316L SS collar	
eu	10	Corrosive liquids	700-0001-018 Remote	3.4 bar @ 149°C (50 PSI @ 300°F)	PFA	
E	10	Con osive iliquios	700-0001-018 Kelliote	69 bar @ 38°C (1000 PSI @ 100°F)		
E	11	General purpose, higher pressure, TFE compatibility required	700-0201-005 Integral or Remote	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and TFE	
General & Application Specific Sensing Elements				69 bar @ 38°C (1000 PSI @ 100°F)		
	12	Corrosive material, higher pressure	700-0201-005 Integral or Remote (Hastelloy C)	13.8 bar @ 232°C (200 PSI @ 450°F)	Hastelloy C and TFE	
eu	—				+	
Š	13	Sanitary	700-0201-019 Integral or Remote	13.8 bar @ 149°C (200 psi @ 300°F)	316/316L SS and TFE	
É				3.4 bar @ 149°C (50 PSI @ 300°F)	<u> </u>	
) ec	14	General purpose, low pressure	700-0202-002 Integral or Remote	1.4 bar @ 232°C (20 PSI @ 450°F)	316/316L SS and TFE	
Sp				69 bar @ 38°C (1000 PSI @ 100°F)		
tion	15	Heavy Duty agitated tanks or material w/bulk density	700-0202-043 Integral or Remote	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and TFE	
	16	High integrity seal for hazardous materials	700-0002-360 Integral or Remote	34.5 bar @ 149°C (500 PSI @ 300°F)	PFA	
<u> </u>	17	Sanitary low pressure	700-0202-029 Integral or Remote	34.5 bar @ 149°C (50 PSI @ 300°F)	316/316L SS and TFE	
<u> </u>	10	Complete and the second	700 0001 033	69 bar @ 38°C (1000 PSI @ 100°F)	TEE	
Α	18	Corrosive material, higher pressure with water like viscosity	700-0001-022 Integral or Remote	34.5 bar @ 149°C (500 PSI @ 300°F)	TFE	
જે				69 bar @ 38°C (1000 PSI @ 100°F)		
-	19	nterface Measurement	700-0002-023 Integral or Remote	34.5 bar @ 149°C (500 PSI @ 300°F)	316/316L SS and TFE	
ē				69 bar @ 121°C (1000 PSI @ 250°F)		
e	20	Miniature Pilot Plant Sensor	700-0209-002 Remote	0 bar @ 232°C (0 PSI @ 450°F)	316/316L SS and TFE	
G		Heavy Duty agitated tanks or material w/bulk density and corrosive	700-0202-043 Integral or Remote	69 bar @ 38°C (1000 PSI @ 100°F)		
	21			13.8 bar @ 232°C (200 PSI @ 450°F)	Hastelloy C and TFE	
	22	700 0000 040 with analysis along		69 bar @ 38°C (1000 PSI @ 100°F)	216/2161 66 1 TEE	
	22	700-0202-043 with proximity plate	700-0202-044 Integral or Remote	13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS and TFE	
	24	Inactive cable probe with active weight - liquids only	700-0005-485 Integral	200 psi @ 200°F	316/316L SS and FEP	
		madate caste proce with acaste weight inquies only	700-0005-285 Remote	200 p3/ @ 200 !	310/310E 33 and FEF	
	25	Inactive cable probe with active weight - corrosive liquids	700-0005-485 Integral	200 psi @ 200°F	Hastelloy C and FEP	
		······································	700-0005-285 Remote			
	26	Extra heavy duty rearmount	700-0220-001 Remote	20 psi @ 180°F	316/316L SS and FEP	
	27	Extra heavy duty	700-0221-002 Remote	50 psi @ 300°F	316/316L SS and FEP	
				20 psi @ 450°F		
	28	General purpose very high pressure	700-1202-051 Remote	1500 PSI @ 250°F	316/316L SS and PEEK	
-			700-1202-052 Integral	500 psi @ 450°F	 	
ure	60	High Pressure and High Temperature	700-0204-038 Remote	137.9 bar @ 93°C (2000 PSI @ 200°F)	316/316L SS and Ceramic	
rat	<u> </u>			68.9 bar @ 260°C (1000 PSI @ 500°F) 1 psi @ 700°F		
- di					316/316L SS and Ceramic	
<u>د ت</u>	61	High Temperature	700-0204-002 Remote		310/310L 33 and Cerainic	
High Temp				0 bar @ 816°C (0 PSI @ 1500°F)		
High ire/Temp	62	Very high pressure - not for steam	700-0204-048 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F	316/316L SS, Vespel and Ceramic	
High ssure/Temp		Very high pressure - not for steam High pressure and high temperature	700-0204-048 Remote 700-0204-024 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic	
High Pressure/Temperature	62	Very high pressure - not for steam	700-0204-048 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F	316/316L SS, Vespel and Ceramic	
	62 64	Very high pressure - not for steam High pressure and high temperature	700-0204-048 Remote 700-0204-024 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic	
High Pressure/Temp	62 64 66	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE	
	62 64 66 72	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic	
	62 64 66 72 73	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote	0 bar @ 816°C (0 PSi @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE	
Retractable	62 64 66 72 73 85	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0000-0494 Remote	0 bar @ 816°C (0 PSi @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 2000 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 300°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE	
Retractable	62 64 66 72 73 85 86	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4"	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-900-0494 Remote 700-0005-594 Integral	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe	
Retractable Specialty	62 64 66 72 73 85 86 87	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5" Perforated concentric shield	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0201-028 Integral or Remote 700-0000-944 Remote 700-0005-595 Integral 700-0005-595 Integral	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F 300 psi @ 300°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe 316/316L SS and TFE	
Retractable Specialty	62 64 66 72 73 85 86 87	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5"	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0001-948 Remote 700-0005-599 Integral 700-0005-595 Integral 700-0001-059 Integral 700-0201-059 Integral or Remote	0 bar @ 816°C (0 PSi @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe	
Retractable Specialty	62 64 66 72 73 85 86 87 90	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5" Perforated concentric shield General purpose with perforated concentric shield	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0005-594 Integral 700-0005-595 Integral 700-0005-595 Integral 700-0005-595 Integral or Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F 300 psi @ 300°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe 316/316L SS and TFE	
Retractable Specialty	62 64 66 72 73 85 86 87	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5" Perforated concentric shield	700-0204-048 Remote 700-0204-024 Remote 700-0204-024 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0005-594 Integral 700-0005-595 Integral 700-0005-595 Integral 700-0201-059 Integral or Remote 700-1202-015 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F 300 psi @ 300°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe 316/316L SS and TFE	
Retractable Specialty	62 64 66 72 73 85 86 87 90 91	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5" Perforated concentric shield General purpose with perforated concentric shield General purpose higher pressure with perforated concentric shield	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0201-028 Integral or Remote 700-0005-594 Integral 700-0005-595 Integral 700-0001-059 Integral or Remote 700-1202-015 Remote 700-1202-015 Remote 700-1202-015 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 750°F 200 psi @ 800°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F 300 psi @ 300°F 13.8 bar @ 232°C (200 PSI @ 450°F)	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and PEEK	
Retractable Specialty	62 64 66 72 73 85 86 87 90	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5" Perforated concentric shield General purpose with perforated concentric shield	700-0204-048 Remote 700-0204-024 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0201-028 Integral or Remote 700-0005-594 Integral 700-0005-595 Integral 700-0005-595 Integral 700-0201-059 Integral or Remote 700-1202-015 Remote 700-1202-015 Remote 700-1202-045 Remote 700-1202-045 Remote 700-1202-046 Integral	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 750°F 1000 psi @ 300°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F 13.8 bar @ 232°C (200 PSI @ 450°F) 1000 psi @ 250°F 300 psi @ 450°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe 316/316L SS and TFE	
Retractable Specialty	62 64 66 72 73 85 86 87 90 91	Very high pressure - not for steam High pressure and high temperature 700-0204-002 with secondary seal - vertical only in liquids Retractable, bare center rod Retractable, insulated center rod Leak detection SIL floating roof and hydrocarbon liquids - 3/4" SIL floating roof and hydrocarbon liquids - 1.5" Perforated concentric shield General purpose with perforated concentric shield General purpose higher pressure with perforated concentric shield	700-0204-048 Remote 700-0204-022 Remote 700-0204-022 Remote 700-0201-027 Integral or Remote 700-0201-028 Integral or Remote 700-0005-594 Integral 700-0005-595 Integral 700-0005-595 Integral 700-0201-059 Integral or Remote 700-1202-015 Integral 700-1202-015 Remote 700-1202-045 Remote 700-1202-045 Remote 700-1202-045 Remote	0 bar @ 816°C (0 PSI @ 1500°F) 4000 psi @ 600°F 1000 psi @ 750°F 1000 psi @ 100°F 200 psi @ 9300°F 150 psi @ 300°F 150 psi @ 300°F 0 psi @ 185°F 0 psi @ 185°F 0 psi @ 185°F 300 psi @ 300°F 13.8 bar @ 232°C (200 PSI @ 450°F) 1000 PSI @ 250°F 300 psi @ 450°F	316/316L SS, Vespel and Ceramic 316/316L SS, Monel 400 and Alumina Ceramic 316/316L SS and Ceramic 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and TFE Brass Polyolefin and FEP75 inch diameter probe Brass Polyolefin and FEP - 1.5 inch diameter probe 316/316L SS and TFE 316/316L SS and TFE 316/316L SS and PEEK	

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