



PCG55x ATM to Medium Vacuum Gauge

The INFICON Pirani Capacitance Diaphragm Gauge (PCG55x) combines the INFICON Pirani technology with the advantages of a ceramic capacitance diaphragm sensor in a single product.

In the measurement range between 10 mbar and atmosphere the capacitance diaphragm technology provides gas-type independent, highly accurate values for reliable pressure measurement. The PCG55x offers also a variety of features which allows the right product configuration for the demanded application.

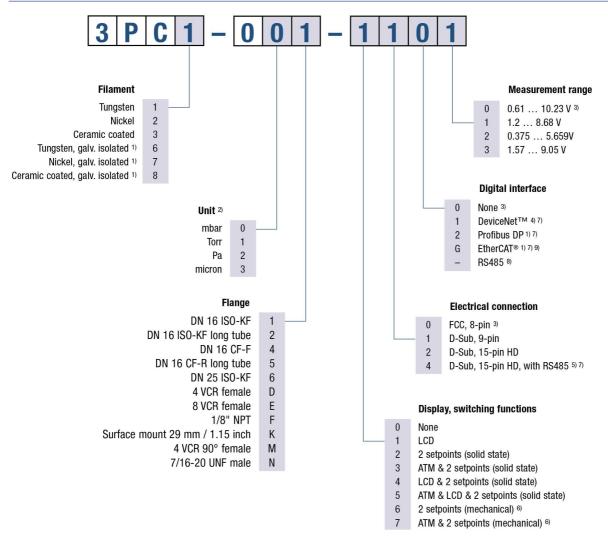


ADVANTAGES

- Gas type independent above 10 mbar allows safe venting with any gas mixture
- High accuracy and reproducibility at atmosphere for reliable, fast atmospheric pressure detection
- Versatile of mounting orientation provides engineering freedom in tool design
- Available with Tungsten (PCG550) or Nickel (PCG552) filament or with a fully ceramic coated (PCG554) sensor unit for highly corrosive applications
- Latest EtherCAT protocol Standard ETG.5003.2080 S (R) V1.3.0
- Easy to exchange plug & play sensor element with on-board calibration data guarantees high reproducibility and low cost of ownership
- Selectable output signal for easy integration
- Optional atmospheric switch, display and digital interfaces
- Compliance & standards: CE, EN, UL, CSA, RoHS



ORDER INFORMATION



- 1) Only with D-Sub 9-pin connector available
- 2) When selecting LCD (liquid crystal display) choose desired pressure unit
- ³⁾ Choose these settings when using an INFICON VGC50x or PGD400 / PGD500 controller or when choosing "4" under "Electrical connection"
- 4) Only with D-Sub 9-pin connector and galvanically isolated available
- 5) Only without additional digital interface available
- 6) Only with D-Sub 9-pin connector without LCD available
- 7) Fieldbus options only available together with switching functions (select number "2", "3", "4" or "5" from table "Display, switching functions")

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- 8) Just selectable via number "4" from table "Electrical connection"
- 9) Communication standard ETG.5003.2080 S (R) V1.3.0; old version V1.0.0 still available on request



SPECIFICATIONS

Туре		PCG550 Tungsten	PCG552 Nickel	PCG554 ceramic coated
Measurement range	mbar	5×10⁻⁵ 1500	5×10⁻⁵ 1500	5×10⁻⁵ 1500
Measurement range	Torr	3.8×10⁻⁵ 1125	3.8×10⁻⁵ 1125	3.8×10⁻⁵ 1125
Accuracy				
5×10⁻⁴ 1×10⁻³ mbar (N₂)	% of reading	±50	±50	±50
1×10⁻³ … 100 mbar (N₂)	% of reading	±15	±15	±15
100 950 mbar	% of reading	±5	±5	±5
950 1050 mbar	% of reading	±2.5	±2.5	±2.5
Repeatability				
1×10⁻³ 1100 mbar (N₂)	% of reading	±2	±2	±2
Admissible pressure	bar (absolute)	≤5	≤5	≤5
Pressure, max.	bar (absolute)	≥10	≥10	≥10
Admissible temperature				
Operation (ambient)	°C	+10 +50	+10 +50	+10 +50
Storage	°C	-20 +65	-20 +65	-20 +65
Bakeout at flange	°C	≤80	≤80	≤80
Bakeout at flange long tube	°C	≤250	≤250	≤250
Supply voltage	V (dc)	+15 +30	+15 +30	+15 +30
Power consumption				
Without fieldbus	W	≤2.5	≤2.5	≤2.5
DeviceNet™	W	≤3	≤3	≤3
Profibus	W	≤3	≤3	≤3
Output signal analog 3PCx- 0xx-xxx0	V	0 +10.23	0 +10.23	0 +10.23
Output signal analog 3PCx- 0xx-xxx1	V	0 +8.68	0 +8.68	0 +8.68
Output signal analog 3PCx- 0xx-xxx2	V	0 +5.659	0 +5.659	0 +5.659
Output signal analog 3PCx- 0xx-xxx3	V	0 +9.05	0 +9.05	0 +9.05
Measuring range 3PCx-0xx- xxx0	V	+0.61 +10.23	+0.61 +10.23	+0.61 +10.23
Measuring range 3PCx-0xx- xxx1	V	+1.2 +8.68	+1.2 +8.68	+1.2 +8.68
Measuring range 3PCx-0xx- xxx2	V	+0.375 +5.659	+0.375 +5.659	+0.375 +5.65

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Measuring range 3PCx-0xx- xxx3	V	+1.57 +9.05	+1.57 +9.05	+1.57 +9.05
Voltage vs. pressure				
3PCx-0xx-xxx0	volts per decade	1.286	1.286	1.286
3PCx-0xx-xxx1 / -xxx2 / - xxx3	volts per decade	1	1	1
Load impedance	kΩ	>10	>10	>10
Setpoint relay				
Number of setpoints		2	2	2
Relay contact		n.o., potential free	n.o., potential free	n.o., potential free
Setpoint relay				
Range (N₂)	mbar	5×10⁻⁵ … 1000	5×10⁻⁵ 1000	5×10⁻⁵ 1000
Setpoint relay				
Hysteresis	% of threshold	10	10	10
Setpoint relay				
Contact rating solid state relays	V (dc)	≤30	≤30	≤30
Contact rating mechanical relays	V (dc)	≤30	≤30	≤30
Setpoint relay				
Contact rating solid state relays	A (dc)	≤0.3	≤0.3	≤0.3
Contact rating mechanical relays	A (dc)	≤1	≤1	≤1
Setpoint relay				
Switching time	ms	≤30	≤30	≤30
nterface (digital)		RS232C	RS232C	RS232C
Electrical connection				
3PCx-0xx-x0xx		FCC, 8-pin	FCC, 8-pin	FCC, 8-pin
3PCx-0xx-x1xx		D-Sub, 9-pin, male	D-Sub, 9-pin, male	D-Sub, 9-pin, male
3PCx-0xx-x2xx		D-Sub, 15-pin HD, male	D-Sub, 15-pin HD, male	D-Sub, 15-pin HD, male
3PCx-0xx-x4xx		D-Sub, 15-pin HD, with RS485, male	D-Sub, 15-pin HD, with RS485, male	D-Sub, 15-pin HD, wi RS485, male
Cable length	m (ft.)	≤100 (≤330)	≤100 (≤330)	≤100 (≤330)
RS232C operation	m (ft.)	≤30 (≤100)	≤30 (≤100)	≤30 (≤100)

Туре		PCG550 Tungsten	PCG552 Nickel	PCG554 ceramic coated
Materials exposed to vacuum		W, Ni, NiFe, Al₂O₃, SnAg, stainless steel, glass	Ni, NiFe, Al₂O₃, SnAg, stainless steel, glass	Al₂O₃, stainless steel
Internal volume				
DN 16 ISO-KF	CM ³	4.7	4.7	4.7
DN 16 ISO-KF long tube	CM ³	14.5	14.5	14.5
DN 16 CF-F	cm ³	8	8	8
DN 16 CF-R long tube	cm ³	14	14	14
DN 25 ISO-KF, 4 VCR	CM ³	5.5	5.5	5.5
8 VCR	cm ³	7	7	7
1/8" NPT, 7/16-20 UNF	CM ³	5.2	5.2	5.2
Surface mount 29 mm/1.15 inch	CM ³	4.9	4.9	4.9
4 VCR 90°	cm ³	7.9	7.9	7.9
Weight				
Without fieldbus interface	g	115 130	115 130	115 130
With fieldbus interface	g	230 250	230 250	230 250
Degree of protection		IP 40	IP 40	IP 40
Standards				
CE conformity		EN 61000-6-2/-6-3, EN 61010	EN 61000-6-2/-6-3, EN 61010	EN 61000-6-2/-6-3, EN 61010
ETL certification		UL 61010-1, CSA 22.2 No.61010-1	UL 61010-1, CSA 22.2 No.61010-1	UL 61010-1, CSA 22.2 No.61010-1
DeviceNet™				
Protocol		DeviceNet™, group 2 slave only	DeviceNet™, group 2 slave only	DeviceNet [™] , group 2 slave only
MAC ID		2 switches (address 00 - 63) or network programmable	2 switches (address 00 - 63) or network programmable	2 switches (address 00 - 63) or network programmable
Digital functions		read pressure, select units: Torr, mbar, Pa, micron, counts; monitor gauge status, detailed alarm and warning information, safe state allows definition of behavior in case of error	read pressure, select units: Torr, mbar, Pa, micron, counts; monitor gauge status, detailed alarm and warning information, safe state allows definition of behavior in case of error	read pressure, select units: Torr, mbar, Pa, micron, counts; monitor gauge status, detailed alarm and warning information, safe state allows definition of behavior in case of error

SPECIFICATIONS

SPECIFICATIONS PCG554 ceramic Type PCG550 Tungsten PCG552 Nickel coated DeviceNet™ "Vacuum DeviceNet™ "Vacuum DeviceNet™ "Vacuum Specification Gauge Device Profile" Gauge Device Profile" Gauge Device Profile" Device type "CG" for combination "CG" for combination "CG" for combination gauge gauge gauge I / O slave messaging polling only polling only polling only Connector for DeviceNet Micro-Style, 5-pin, Micro-Style, 5-pin, Micro-Style, 5-pin, male male male DeviceNet™ Data rate switch kBaud 125, 250, 500 or 125, 250, 500 or 125, 250, 500 or network programmable network programmable network programmable DeviceNet™ Cable length 125 kbps m (ft.) 500 (1650) 500 (1650) 500 (1650) Cable length 250 kbps m (ft.) 250 (825) 250 (825) 250 (825) Cable length 500 kbps m (ft.) 100 (330) 100 (330) 100 (330) DeviceNet™ Supply voltage for V (dc) +15 ... +30 +15 ... +30 +15 ... +30 DeviceNet[™] 3PI6- / 3PI7- / 3PI8-0xx-xxxx DeviceNet™ Power consuption 3PI6- / W ≤3 ≤3 ≤3 3PI7- / 3PI8-0xx-xxxx Profibus DP Baud rates kBaud 9.6 / 19.2 / 93.75 / 9.6 / 19.2 / 93.75 / 9.6 / 19.2 / 93.75 / 187.5 / 500 187.5 / 500 187.5 / 500 Profibus DP Baud rates Mbaud 1.5 / 12 1.5 / 12 1.5 / 12 Profibus DP Address 2 switches (address 00 2 switches (address 00 2 switches (address 00 - 127) or network - 127) or network - 127) or network programmable programmable programmable **Digital functions** read pressure, select read pressure, select read pressure, select units: Torr, mbar, Pa, units: Torr, mbar, Pa, units: Torr, mbar, Pa, micron, counts ; micron, counts ; micron, counts ; monitor gauge status, monitor gauge status, monitor gauge status, detailed alarm and detailed alarm and detailed alarm and warning information, warning information, warning information, safe state allows safe state allows safe state allows definition of behavior in definition of behavior in definition of behavior in case of error case of error case of error

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INFICON

Туре		PCG550 Tungsten	PCG552 Nickel	PCG554 ceramic coated
Connector for Profibus DP		D-Sub, 9-pin, female	D-Sub, 9-pin, female	D-Sub, 9-pin, female
RS485C				
Baud rates	kBaud	9.6 / 19.2 / 38.4 /57.6	9.6 / 19.2 / 38.4 /57.6	9.6 / 19.2 / 38.4 /57.6
RS485C				
Address		2 switches (address 00 - 255)	2 switches (address 00 - 255)	2 switches (address 00 - 255)
Digital functions		read pressure, select units: Torr, mbar, Pa, micron, counts ; monitor gauge status, detailed alarm and warning information, safe state allows definition of behavior in case of error	read pressure, select units: Torr, mbar, Pa, micron, counts ; monitor gauge status, detailed alarm and warning information, safe state allows definition of behavior in case of error	read pressure, select units: Torr, mbar, Pa, micron, counts ; monitor gauge status, detailed alarm and warning information, safe state allows definition of behavior in case of error
Connector for RS485		D-Sub, 15-pin HD, male	D-Sub, 15-pin HD, male	D-Sub, 15-pin HD, male
EtherCAT				
Protocol EtherCAT		protocol specialized for EtherCAT	protocol specialized for EtherCAT	protocol specialized fo EtherCAT
Communication standards		ETG.5003.1 S (R) V1.1.0 Common Device ProfileETG.5003.2080 S (R) V1.3.0 Specific Device Profile: Vacuum Gauge	ETG.5003.1 S (R) V1.1.0 Common Device ProfileETG.5003.2080 S (R) V1.3.0 Specific Device Profile: Vacuum Gauge	ETG.5003.1 S (R) V1.1.0 Common Device ProfileETG.5003.2080 S (R) V1.3.0 Specific Device Profile: Vacuum Gauge
Node address		Explicit Device Identification	Explicit Device Identification	Explicit Device Identification
Physical layer		100BASE-Tx (IEEE 802.3)	100BASE-Tx (IEEE 802.3)	100BASE-Tx (IEEE 802.3)
EtherCAT connector		RJ45, 8-pin (socket), IN and OUT	RJ45, 8-pin (socket), IN and OUT	RJ45, 8-pin (socket), IN and OUT
Cable		shielded Ethernet CAT5e or higher	shielded Ethernet CAT5e or higher	shielded Ethernet CAT5e or higher
Process data		Fixed PDO mapping and configurable PDO mapping	Fixed PDO mapping and configurable PDO mapping	Fixed PDO mapping and configurable PDO mapping
Mailbox (CoE)		SDO requests, responses and information	SDO requests, responses and information	SDO requests, responses and information

SPECIFICATIONS					
Туре		PCG550 Tungsten	PCG552 Nickel	PCG554 ceramic coated	
EtherCAT					
Cable length	m (ft.)	≤100 (330)	≤100 (330)	≤100 (330)	



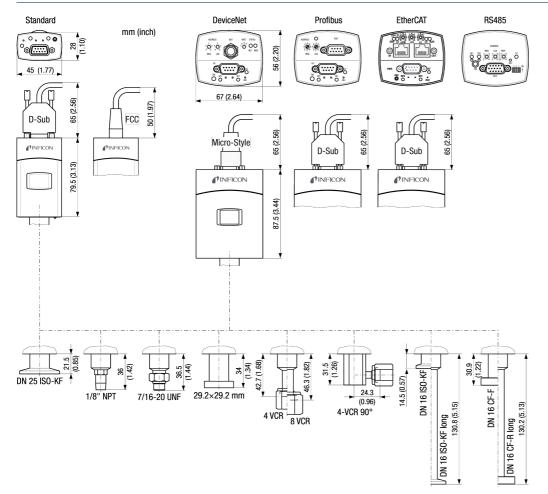
SPAREPARTS

CG550 Spare Sensor, 29x29mm 357-934 - CG550 Spare Sensor, 4-VCR 357-932 - CG550 Spare Sensor, 4-VCR / 90° 357-935 - CG550 Spare Sensor, 7/16-20 UNF 357-933 - CG550 Spare Sensor, DN16CF-F 357-931 - CG550 Spare Sensor, DN16CF-R, long 357-927 - CG550 Spare Sensor, DN16ISO-KF 357-928 - CG550 Spare Sensor, DN16ISO-KF 357-926 - CG550 Spare Sensor, DN16ISO-KF, long 357-926 - CG550 Spare Sensor, DN16ISO-KF, long 357-927 - CG550 Spare Sensor, DN16ISO-KF, long 357-926 - CG550 Spare Sensor, DN16ISO-KF, long 357-926 - CG552 Spare Sensor, JN8° NPT - 357-941 - CG552 Spare Sensor, 4-VCR / 90° - 357-943 - CG552 Spare Sensor, 7/16-20 UNF - 357-943 - CG552 Spare Sensor, DN16CF-R, long - 357-938 - CG552 Spare Sensor, DN16CF-R, long - 357-936 - CG552 Spare Sensor, DN16CF-R, long - 357-952 -		PCG550 Tungsten	PCG552 Nickel	PCG554 ceramic coated
PCG550 Spare Sensor, 4-VCR 357-932 - PCG550 Spare Sensor, 4-VCR / 90° 357-935 - PCG550 Spare Sensor, 7/16-20 UNF 357-933 - PCG550 Spare Sensor, DN16CF-F 357-927 - PCG550 Spare Sensor, DN16CF-R, long 357-928 - PCG550 Spare Sensor, DN16CF-R, long 357-926 - PCG550 Spare Sensor, DN16ISO-KF 357-926 - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - PCG552 Spare Sensor, DN16ISO-KF, long 357-926 - PCG552 Spare Sensor, 1/8° NPT 357-929 - PCG552 Spare Sensor, 1/8° NPT 357-941 - PCG552 Spare Sensor, 4-VCR 357-943 - PCG552 Spare Sensor, 7/16-20 UNF - 357-944 PCG552 Spare Sensor, 7/16-20 UNF 357-943 - PCG552 Spare Sensor, DN16CF-R, long 357-938 - PCG552 Spare Sensor, DN16CF-R, long 357-936 - PCG552 Spare Sensor, DN16CF-R, long 357-937 - PCG552 Spare Sensor, DN16CF-R, long 357-937 - PCG552 Spare Sensor, DN16CF-R, long 357-957 -	PCG550 Spare Sensor, 1/8" NPT	357-930	-	-
CG550 Spare Sensor, 4-VCR / 90° 357-935 - PCG550 Spare Sensor, 7/16-20 UNF 357-933 - PCG550 Spare Sensor, DN16CF-F 357-927 - PCG550 Spare Sensor, DN16CF-R, long 357-928 - PCG550 Spare Sensor, DN16ISO-KF 357-926 - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - PCG550 Spare Sensor, DN2SISO-KF 357-926 - PCG552 Spare Sensor, J/8" NPT - 357-945 - PCG552 Spare Sensor, 1/8" NPT - 357-946 - PCG552 Spare Sensor, 4-VCR - 357-943 - PCG552 Spare Sensor, 4-VCR / 90° - 357-942 - PCG552 Spare Sensor, 7/16-20 UNF - 357-938 - PCG552 Spare Sensor, DN16CF-F, long - 357-936 - PCG552 Spare Sensor, JN16/SO-KF - 357-938 - PCG552 Spare Sensor, DN16/SO-KF - 357-936 - PCG552 Spare Sensor, JN16/SO-KF, long - 357-957 - PCG554 Spare Sensor, JN16/SO-KF, long	PCG550 Spare Sensor, 29x29mm	357-934	-	-
PCG550 Spare Sensor, 7/16-20 UNF 357-933 - PCG550 Spare Sensor, 8-VCR 357-931 - PCG550 Spare Sensor, DN16CF-F, long 357-928 - PCG550 Spare Sensor, DN16ISO-KF 357-928 - PCG550 Spare Sensor, DN16ISO-KF 357-926 - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - PCG550 Spare Sensor, DN2ISISO-KF 357-926 - PCG552 Spare Sensor, J/8" NPT - 357-941 - PCG552 Spare Sensor, 1/8" NPT - 357-943 - PCG552 Spare Sensor, 4-VCR - 357-944 - PCG552 Spare Sensor, 4-VCR / 90° - 357-943 - PCG552 Spare Sensor, 7/16-20 UNF - 357-942 - PCG552 Spare Sensor, 7/16-20 UNF - 357-938 - PCG552 Spare Sensor, DN16CF-F, long - 357-944 - PCG552 Spare Sensor, DN16CF-F, long - 357-952 - PCG552 Spare Sensor, JN61SO-KF, long - 357-953 - PCG552 Spare Sensor, 1/8" NPT - - 357-956 PCG554 Spare Sensor, 1/8" NPT </td <td>PCG550 Spare Sensor, 4-VCR</td> <td>357-932</td> <td>-</td> <td>-</td>	PCG550 Spare Sensor, 4-VCR	357-932	-	-
CG550 Spare Sensor, 8-VCR 357-931 - PCG550 Spare Sensor, DN16CF-F, 357-927 - PCG550 Spare Sensor, DN16ISO-KF 357-928 - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - PCG550 Spare Sensor, DN15ISO-KF 357-929 - PCG552 Spare Sensor, 1/8" NPT - 357-945 PCG552 Spare Sensor, 4-VCR - 357-945 PCG552 Spare Sensor, 4-VCR - 357-945 PCG552 Spare Sensor, 4-VCR / 90" - 357-946 PCG552 Spare Sensor, 7/16-20 UNF - 357-946 PCG552 Spare Sensor, 7/16-20 UNF - 357-938 PCG552 Spare Sensor, DN16CF-F, long - 357-938 PCG552 Spare Sensor, DN16CF-F, long - 357-939 PCG552 Spare Sensor, DN16CF-F, long - 357-938 PCG552 Spare Sensor, DN16CF-F, long - 357-936 PCG552 Spare Sensor, DN16ISO-KF, long - 357-952 PCG554 Spare Sensor, 1/8" NPT - 357-952	PCG550 Spare Sensor, 4-VCR / 90°	357-935	-	-
PCG550 Spare Sensor, DN16CF-F, 357-927 - - PCG550 Spare Sensor, DN16CF-R, long 357-928 - - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - - PCG550 Spare Sensor, DN15ISO-KF, long 357-929 - - PCG552 Spare Sensor, 1/8" NPT - 357-941 - PCG552 Spare Sensor, 29x29mm - 357-945 - PCG552 Spare Sensor, 4-VCR - 357-945 - PCG552 Spare Sensor, 7/16-20 UNF - 357-946 - PCG552 Spare Sensor, 7/16-20 UNF - 357-943 - PCG552 Spare Sensor, DN16CF-F, long - 357-938 - PCG552 Spare Sensor, DN16CF-F, long - 357-938 - PCG552 Spare Sensor, DN16CF-F, long - 357-939 - PCG552 Spare Sensor, DN16ISO-KF, long - 357-937 - PCG554 Spare Sensor, DN16ISO-KF, long - 357-952 357-955 PCG554 Spare Se	PCG550 Spare Sensor, 7/16-20 UNF	357-933	-	-
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PCG550 Spare Sensor, DN16ISO-KF 357-925 - - PCG550 Spare Sensor, DN16ISO-KF, long 357-926 - - PCG550 Spare Sensor, DN25ISO-KF 357-929 - - PCG552 Spare Sensor, 1/8" NPT - 357-941 - PCG552 Spare Sensor, 29x29mm - 357-943 - PCG552 Spare Sensor, 4-VCR - 357-943 - PCG552 Spare Sensor, 4-VCR - 357-944 - PCG552 Spare Sensor, 7/16-20 UNF - 357-942 - PCG552 Spare Sensor, DN16CF-F - 357-938 - PCG552 Spare Sensor, DN16CF-F, long - 357-937 - PCG552 Spare Sensor, DN16ISO-KF, long - 357-937 - PCG552 Spare Sensor, DN16ISO-KF, long - 357-937 - PCG554 Spare Sensor, DN16ISO-KF, long - 357-957 - PCG554 Spare Sensor, A-VCR - 357-957 - - PCG554 Spare Sensor, A-VCR - - 357-957 - PCG554 Spare Senso	PCG550 Spare Sensor, DN16CF-F	357-927	-	-
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PCG550 Spare Sensor, DN25ISO-KF 357-929 - PCG552 Spare Sensor, 1/8" NPT 357-941 - PCG552 Spare Sensor, 29x29mm 357-945 - PCG552 Spare Sensor, 4-VCR 357-943 - PCG552 Spare Sensor, 4-VCR / 90° 357-946 - PCG552 Spare Sensor, 7/16-20 UNF 357-944 - PCG552 Spare Sensor, 7/16-20 UNF 357-942 - PCG552 Spare Sensor, DN16CF-F 357-943 - PCG552 Spare Sensor, DN16CF-R, long 357-938 - PCG552 Spare Sensor, DN16ISO-KF 357-936 - PCG554 Spare Sensor, DN16ISO-KF, long 357-937 - PCG554 Spare Sensor, DN16ISO-KF, long 357-936 - PCG554 Spare Sensor, DN16ISO-KF, long 357-937 - PCG554 Spare Sensor, DN16ISO-KF, long 357-936 - PCG554 Spare Sensor, DN16ISO-KF, long - 357-952 PCG554 Spare Sensor, A-VCR - 357-952 PCG554 Spare Sensor, A-VCR - 357-953 PCG554 Spare Sensor, J1/8" NPT - - 357-954 <	PCG550 Spare Sensor, DN16ISO-KF	357-925	-	-
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PCG552 Spare Sensor, DN16CF-F, long 357-938 - PCG552 Spare Sensor, DN16CF-R, long 357-939 - PCG552 Spare Sensor, DN16ISO-KF 357-936 - PCG552 Spare Sensor, DN16ISO-KF, long 357-937 - PCG554 Spare Sensor, 1/8" NPT - 357-957 PCG554 Spare Sensor, 29x29mm - - 357-956 PCG554 Spare Sensor, 4-VCR - - 357-957 PCG554 Spare Sensor, 7/16-20 UNF - - 357-955 PCG554 Spare Sensor, DN16CF-F, long - - 357-955 PCG554 Spare Sensor, 7/16-20 UNF - - 357-955 PCG554 Spare Sensor, DN16CF-F, long - - 357-953 PCG554 Spare Sensor, DN16CF-F, long - - 357-950 PCG554 Spare Sensor, DN16CF-F, long - - 357-950 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-954 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-948	PCG552 Spare Sensor, 7/16-20 UNF	-	357-944	-
PCG552 Spare Sensor, DN16CF-R, long 357-939 - PCG552 Spare Sensor, DN16ISO-KF 357-936 - PCG552 Spare Sensor, DN16ISO-KF, long 357-937 - PCG554 Spare Sensor, 1/8" NPT - 357-937 - PCG554 Spare Sensor, 29x29mm - - 357-952 PCG554 Spare Sensor, 4-VCR - - 357-954 PCG554 Spare Sensor, 4-VCR / 90° - - 357-954 PCG554 Spare Sensor, 7/16-20 UNF - - 357-955 PCG554 Spare Sensor, 7/16-20 UNF - - 357-953 PCG554 Spare Sensor, DN16CF-F, long - - 357-953 PCG554 Spare Sensor, DN16CF-F, long - - 357-954 PCG554 Spare Sensor, DN16CF-R, long - - 357-954 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-948	PCG552 Spare Sensor, 8-VCR	-	357-942	-
PCG552 Spare Sensor, DN16ISO-KF - 357-936 - PCG552 Spare Sensor, DN16ISO-KF, long - 357-937 - PCG554 Spare Sensor, 1/8" NPT - - 357-952 PCG554 Spare Sensor, 29x29mm - - 357-956 PCG554 Spare Sensor, 4-VCR - - 357-956 PCG554 Spare Sensor, 4-VCR / 90° - - 357-957 PCG554 Spare Sensor, 7/16-20 UNF - - 357-953 PCG554 Spare Sensor, 8-VCR - - 357-953 PCG554 Spare Sensor, DN16CF-F - - 357-953 PCG554 Spare Sensor, DN16CF-R, long - - 357-950 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-950 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-947	PCG552 Spare Sensor, DN16CF-F	-	357-938	-
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PCG554 Spare Sensor, 29x29mm - 357-956 PCG554 Spare Sensor, 4-VCR - 357-954 PCG554 Spare Sensor, 4-VCR / 90° - - 357-957 PCG554 Spare Sensor, 7/16-20 UNF - - 357-955 PCG554 Spare Sensor, 8-VCR - - 357-953 PCG554 Spare Sensor, N16CF-F - - 357-953 PCG554 Spare Sensor, DN16CF-R, long - - 357-950 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-954 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-948	PCG552 Spare Sensor, DN16ISO-KF, long	-	357-937	-
PCG554 Spare Sensor, 4-VCR - 357-954 PCG554 Spare Sensor, 4-VCR / 90° - 357-957 PCG554 Spare Sensor, 7/16-20 UNF - 357-955 PCG554 Spare Sensor, 8-VCR - 357-953 PCG554 Spare Sensor, DN16CF-F - 357-959 PCG554 Spare Sensor, DN16CF-R, long - 357-959 PCG554 Spare Sensor, DN16CF-R, long - 357-950 PCG554 Spare Sensor, DN16ISO-KF, long - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - 357-948	PCG554 Spare Sensor, 1/8" NPT	-	-	357-952
PCG554 Spare Sensor, 4-VCR / 90° - 357-957 PCG554 Spare Sensor, 7/16-20 UNF - 357-955 PCG554 Spare Sensor, 8-VCR - 357-953 PCG554 Spare Sensor, DN16CF-F - 357-949 PCG554 Spare Sensor, DN16CF-R, long - 357-950 PCG554 Spare Sensor, DN16ISO-KF - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - 357-948	PCG554 Spare Sensor, 29x29mm	-	-	357-956
PCG554 Spare Sensor, 7/16-20 UNF - 357-955 PCG554 Spare Sensor, 8-VCR - 357-953 PCG554 Spare Sensor, DN16CF-F - 357-949 PCG554 Spare Sensor, DN16CF-R, long - 357-950 PCG554 Spare Sensor, DN16ISO-KF - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - 357-948	PCG554 Spare Sensor, 4-VCR	-	-	357-954
PCG554 Spare Sensor, 8-VCR - 357-953 PCG554 Spare Sensor, DN16CF-F - 357-949 PCG554 Spare Sensor, DN16CF-R, long - 357-950 PCG554 Spare Sensor, DN16ISO-KF - 357-949 PCG554 Spare Sensor, DN16ISO-KF, long - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - 357-948	PCG554 Spare Sensor, 4-VCR / 90°	-	-	357-957
PCG554 Spare Sensor, DN16CF-F - 357-949 PCG554 Spare Sensor, DN16CF-R, long - 357-950 PCG554 Spare Sensor, DN16ISO-KF - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - 357-948	PCG554 Spare Sensor, 7/16-20 UNF	-	-	357-955
PCG554 Spare Sensor, DN16CF-R, long - 357-950 PCG554 Spare Sensor, DN16ISO-KF - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - 357-948	PCG554 Spare Sensor, 8-VCR	-	-	357-953
PCG554 Spare Sensor, DN16ISO-KF - - 357-947 PCG554 Spare Sensor, DN16ISO-KF, long - - 357-948	PCG554 Spare Sensor, DN16CF-F	-	-	357-949
CG554 Spare Sensor, DN16ISO-KF, long 357-948	PCG554 Spare Sensor, DN16CF-R, long	-	-	357-950
	PCG554 Spare Sensor, DN16ISO-KF	-	-	357-947
2CG554 Spare Sensor, DN25ISO-KF 357-951	PCG554 Spare Sensor, DN16ISO-KF, long	-	-	357-948
	PCG554 Spare Sensor, DN25ISO-KF	-	-	357-951

ACCESSORIES

	PCG550 Tungsten	PCG552 Nickel	PCG554 ceramic coated
Centering ring with fine filter DN 16 KF	211-097	211-097	211-097
Clamping ring DN 10-16 ISO-KF	211-001	211-001	211-001
Diagnostic cable 1.9m (P3)	303-333	303-333	303-333

DIMENSIONS





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