



CENTERLINE

Total pressure gauges

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New Pfeiffer Vacuum CenterLine

Pfeiffer Vacuum expanded its product portfolio for total pressure measurement and added a new family of measurement instruments to the product program. In addition to the existing DigiLine, ActiveLine, and ModulLine series, we are now offering new CenterLine gauges, which are compatible with existing active gauges from other manufacturers*.

Your advantage: Dimensions, connections, and output signals are 100 % compatible. You can easily replace or supplement your existing equipment with products from the Pfeiffer Vacuum CenterLine series.

CenterLine uses state-of-the-art controllers. They allow communication via USB and Ethernet interfaces, and their brilliant LCD screen makes it easier to read the measured value. The gauges are automatically detected by the controller, which makes for safe and easy installation. In addition to the analog output, some gauges have set points for better process control.

Also worthy of special mention is the FullRange® gauge PTR 91. This gauge reduces the magnetic field of the cold cathode, which is present due to the inherent principle involved, to a minimum. The innovative design of the measuring chambers extends the service life considerably. A removable dual chamber ensures easy and cost-effective maintenance, which can easily be performed by the user.

* In case of any questions regarding compatibility, please ask your local sales contact.

CenterLine contains:

CenterOne, CenterTwo, CenterThree:	Controller with one to three measurement channels
TTR 91 and TTR 96:	Pirani gauges
TTR 101:	Pirani/Capacitance gauges
ITR 90:	Pirani/Bayard-Alpert hot cathode gauges
PTR 91:	Pirani/cold cathode gauges
PTR 225 and PTR 237:	Penning gauges
CCR 36x and CCR 37x:	Capacitance gauges

You can also obtain the appropriate accessories (e.g., cables) and spare parts as well as pressure switches PS 113 A and PS 115 from us.

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Order number check sheet

Gauges and Contollers

Type	Flange	Device plugs	Setpoints	Order number
CenterOne*	–	–	–	PT G28 310
CenterTwo*	–	–	–	PT G28 320
CenterThree*	–	–	–	PT G28 330
ITR 90	DN 25 ISO-KF	D-Sub, 15 pole	–	PT T12 146 300
ITR 90	DN 40 CF-R	D-Sub, 15 pole	–	PT T12 366 300
PTR 225	DN 25 ISO-KF	FCC 68/RJ45, 8 pole	–	PT T13 148 300
PTR 225 S	DN 25 ISO-KF	FCC 68/RJ45, 8 pole	yes	PT T13 148 320
PTR 237	DN 40 CF-F	FCC 68/RJ45, 8 pole	–	PT T13 358 300
PTR 91*	DN 25 ISO-KF	FCC 68/RJ45, 8 pole	–	PT T03 148 310
PTR 91*	DN 40 ISO-KF	FCC 68/RJ45, 8 pole	–	PT T03 158 310
PTR 91*	DN 40 CF-F	FCC 68/RJ45, 8 pole	–	PT T03 358 310
TTR 101	DN 16 ISO-KF	FCC 68/RJ45, 8 pole	–	PT T11 138 310
TTR 101 S2	DN 16 ISO-KF	FCC 68/RJ45, 8 pole	yes	PT T11 138 320
TTR 91	DN 16 ISO-KF	FCC 68/RJ45, 8 pole	–	PT T10 138 300
TTR 91 S	DN 16 ISO-KF	FCC 68/RJ45, 8 pole	yes	PT T10 138 320
TTR 96 S	DN 16 ISO-KF	FCC 68/RJ45, 8 pole	yes	PT T10 138 321
CCR 36x	Tube AD ½", DN 16 ISO-KF, DN 16 CF-R, Cajon 8 VCR	D-Sub, 15 pole	–	PT R27 6xx
CCR 37x	Rohr AD ½", DN 16 ISO-KF, DN 16 CF-R, Cajon 8 VCR	D-Sub, 15 pole	yes	PT R28 1xx

Further types on request

*new generation

Cable

Type	Device plugs	Order number
Connection cable Typ A, 3 m	FCC 68/RJ45, 8 pole	PT 448 450 -T
Connection cable Typ A, 5 m	FCC 68/RJ45, 8 pole	PT 448 451 -T
Connection cable Typ A, 10 m	FCC 68/RJ45, 8 pole	PT 448 452 -T
Connection cable Typ A, 15 m	FCC 68/RJ45, 8 pole	PT 448 453 -T
Connection cable Typ A, 20 m	FCC 68/RJ45, 8 pole	PT 448 454 -T
Connection cable Typ A, 30 m	FCC 68/RJ45, 8 pole	PT 448 456 -T
Connection cable Typ C, 3 m	D-Sub, 15 pole	PT 448 550 -T
Connection cable Typ C, 5 m	D-Sub, 15 pole	PT 448 551 -T
Connection cable Typ C, 10 m	D-Sub, 15 pole	PT 448 552 -T
Connection cable Typ C, 15 m	D-Sub, 15 pole	PT 448 553 -T
Connection cable Typ C, 20 m	D-Sub, 15 pole	PT 448 554 -T
Connection cable Typ C, 30 m	D-Sub, 15 pole	PT 448 556 -T

Further cable lengths on request



Pressure switches and accessories



PS 113 A and PS 115 pressure switches

Further accessories

Type	Order number
PS 115, pressure switch DN 16 ISO-KF, 0.5-2000 mbar	PT R02 110
SV 110, switching amplifier for PS 115	PT R02 111
Differential pressure adapter DN 16 ISO-KF for PS 115	PT 120 171 -T
PS 113 A, pressure switch DN 16 ISO-KF, 3 m cable	PT R02 120
Clamping ring DN 10/16 ISO-KF, elastomer seal	130BSR016
Centering ring PTFE with FPM O-ring	132ZAR016

Further types on request

Type	Order number
Adapter plate for rack integration 2HE/3HE	PT 441 482
Centering ring with filter 4 µm, DN 16 ISO-KF	PT 120 132 -T
Centering ring with filter 4 µm, DN 25 ISO-KF	PT 120 036 -T
Centering ring with filter 4 µm, DN 40 ISO-KF	PT 120 037 -T
Centering ring with filter 20 µm, DN 16 ISO-KF	PF 117 216 -T
Centering ring with filter 20 µm, DN 25 ISO-KF	PF 117 225 -T
Centering ring with filter 20 µm, DN 40 ISO-KF	PF 117 240 -T

Further accessories on request



Customer benefits

- Easy integration into existing installations with measurement technology from other manufacturers
- State of the art control units, e.g., with USB and Ethernet interface
- Complete series, covering the entire vacuum range
- Space-saving installation thanks to a compact design
- Optimum cost-benefit ratio
- Universally applicable thanks to integrated electronics
- Additional functions through set points directly on the gauge
- Easy self-diagnosis
- Prevention of installation errors thanks to controllers with automatic gauge detection

* In case of any questions regarding compatibility, please ask your local sales contact.

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perfect vacuum solution?
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