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Барнаул (3852)73-04-60
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Брянск (4832)59-03-52
Владивосток (423)249-28-31
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Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
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Набережные Челны (8552)20-53-41
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Челябинск (351)202-03-61
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Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

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SPG PRODUCT LINE FOR SYNTHETIC REFRIGERANTS

The SPG product line for synthetic refrigerants:

- SPG 501_001 - Standard
- SPG 501_004 - FC - 4..20mA
- SPG 501_005 - FC - 0..10V
- SPG 501_007 - FC - 0..5V
- SPG 501_009 - FC/CC - 0..10V

The devices are configured for the following refrigerants R134a, R404a, R407c, R22, R407f, R410a, R448, R449 und R507.

Further refrigerants are available on request.

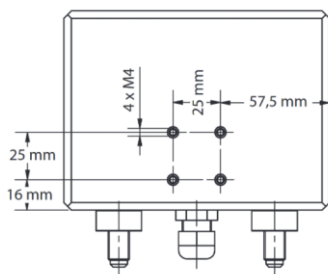
All SPG versions do have the processes connection G1/4

Measurement ranges:

Low Pressure: -1..19 bar, Accuracy class: 0,5%

High Pressure: 0..50 bar, Accuracy class: 0,5%

SPG 501_005



SPG 501_005 FC - 0..10V (SPG 501_005)

DESCRIPTION

- The SPG 501_005 is replacing the following components within the refrigeration cycle:
- 2 mechanical refrigeration pressure gauges (high and low pressure)
- 2 pressure transmitter 4..20mA (high and low pressure)
- 2 digital outputs to control AC-condensing fans
- double pressure switch to control the compressor from the low and high pressure side
- 1 EC Fan Speed Controller based on the HP 0..10V analog output
- The version SPG 501_005 - Standard is suitable for the following refrigerants: R134a, R404a, R407c, R22, R407f, R410a, R448, R449 und R507.
- Other refrigerants are available on request.

EQUIPMENT

- Zu allen SPG-Versionen ist ein Wandhalter mit 4 Schrauben erhältlich.

SPG 501_007



SPG 501_007 FC - 0..5V (SPG 501_007)

DESCRIPTION

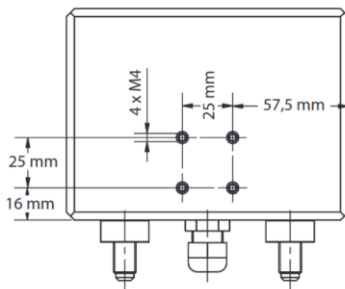
- The SPG 501_007 is replacing the following components within the refrigeration cycle:
- 2 mechanical refrigeration pressure gauges (high and low pressure)
- 2 pressure transmitter 0..5V (high and low pressure)
- 2 digital outputs to control AC-condensing fans
- double pressure switch to control the compressor from the low and high pressure side
- The version SPG 501_007 - Standard is suitable for the following refrigerants: R134a, R404a, R407c, R22, R407f, R410a, R448, R449 und R507.
- Other refrigerants are available on request.

EQUIPMENT

Zu allen SPG-Versionen ist ein Wandhalter mit 4 Schrauben erhältlich.

SPG 501_004

SPG 501_004 FC - 4..20mA (SPG 501_004)



DESCRIPTION

- The SPG 501_004 is replacing the following components within the refrigeration cycle:
- 2 mechanical refrigeration pressure gauges (high and low pressure)
- 2 pressure transmitter 4..20mA (high and low pressure)
- 2 digital outputs to control AC-condensing fans
- double pressure switch to control the compressor from the low and high pressure side
- The version SPG 501_004 - Standard is suitable for the following refrigerants: R134a, R404a, R407c, R22, R407f, R410a, R448, R449 und R507.
- Other refrigerants are available on request.

EQUIPMENT

- Zu allen SPG-Versionen ist ein Wandhalter mit 4 Schrauben erhältlich.

SPG 501_009



SPG 501_009 FC/CC - 0..10V (SPG 501_009)

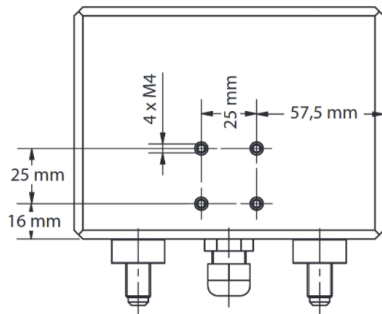
DESCRIPTION

- The SPG 501_004 is replacing the following components within the refrigeration cycle:
- 2 mechanical refrigeration pressure gauges (high and low pressure)
- 2 pressure transmitter 0..10V (high and low pressure)
- 1 EC Fan Speed Controller for condensing fans based on the analog output for high pressure 0..10V
- 1 Speed Controller for inverter driven compressors based on the analog out for low pressure 0..10V
- 2 digital outputs to control AC-condensing fans
- double pressure switch to control the compressor from the low and high pressure side
- The version SPG 501_009 is suitable for the following refrigerants: R134a, R404a, R407c, R22, R407f, R410a, R448, R449 und R507.
- Other refrigerants are available on request.

EQUIPMENT

Zu allen SPG-Versionen ist ein Wandhalter mit 4 Schrauben erhältlich.

SPG 501_001



Smart Pressure Gate (SPG 501_001)

DESCRIPTION

SPG 501_001 - Standard

- Measurement range, Accuracy:
 - LP: -1...19 bar / -14...+275 psi
 - HP: 0...50 bar / 0...275 psi
 - Accuracy: 0,5% FS
- Process connection: G1/4 (welded)
- replaces HP and LP refrigeration pressure gauges
- replaces one double pressure switch*
- replaces 2 single HP pressure switches (2 fans in On/Off function)
- Modbus RS485 connection
- suitable for the following refrigerants: R134a, R404a, R407c, R22, R407f, R410a, R448, R449 und R507.

- Other refrigerants are available on request.
- *This is not a safety device. The system must absolutely be equipped additionally with a mechanical safety pressure switch.

EQUIPMENT

For each SPG versions wall mounting options and screws are available.

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