

Hoses for SF₆ gas

Model GCH-08, nominal width DN 8

Model GCH-20, nominal width DN 20

WIKA data sheet SP 61.15

Applications

Filling and evacuation of SF₆ gas containers

Special features

- Robust materials
- Vacuum-resistant and pressure-tight
- Tested helium tightness



Examples

Description

Safe handling

These hoses ensure the safe handling of the environmentally damaging greenhouse gas SF₆.

Each hose is fitted with self-sealing valves and couplings and is 100% leak tested. It is thus ensured that no SF₆ gas can escape into the atmosphere.

Robust

The stainless steel hoses are resistant against the common decomposition products and are, through an additional stainless steel braiding, protected against external damage. A protective cap protects the connections during transport and storage.

Adaptable

For the connection to other nominal widths or connections, the appropriate connecting parts are available.

Connecting parts:

- Model GCx-08, nominal width DN 8
- Model GCx-20, nominal width DN 20

Specifications

Versions

- Stainless steel hose in accordance with DIN EN ISO 10380, nominal width DN 8, flat corrugated, single-walled, with stainless steel braiding
- Stainless steel hose in accordance with DIN EN ISO 10380, nominal width DN 20, flat corrugated, single-walled, with stainless steel braiding
- Synthetic rubber hose in accordance with SAE100 R17, nominal width DN 8

Permissible working temperature

-40 ... +80 °C [-40 ... +176 °F]

With mounted coupling/valve

Max. static operating pressure at 20 °C [68 °F]

Nominal width	Stainless steel	Rubber
DN 8	65 bar ¹⁾	65 bar ¹⁾
DN 20	55 bar	-

1) Limited through valve/coupling.

Diameter (inner/outer)

Nominal width	Stainless steel	Rubber
DN 8	8.2 mm / 13.7 mm	8 mm / 14.1 mm
DN 20	20.2 mm / 28.4 mm	-

Minimum bending radius (dynamic/static)

Nominal width	Stainless steel	Rubber
DN 8	125 mm / 33 mm	55 mm / 55 mm
DN 20	170 mm / 70 mm	-

Weight without connections

Nominal width	Stainless steel	Rubber
DN 8	Approx. 0.2 kg/m	Approx. 0.2 kg/m
DN 20	Approx. 0.5 kg/m	-

Hose length

3, 5, 10, 15 m

Other hose lengths on request.

Connections (nominal width DN 8)

- Coupling valve, DN 8, female, aluminium (model GCC-08)
- Coupling valve, DN 8, female, stainless steel (model GCC-08)
- Valve, DN 8, male, brass (model GCV-08)
- Valve, DN 8, male, stainless steel (model GCV-08)

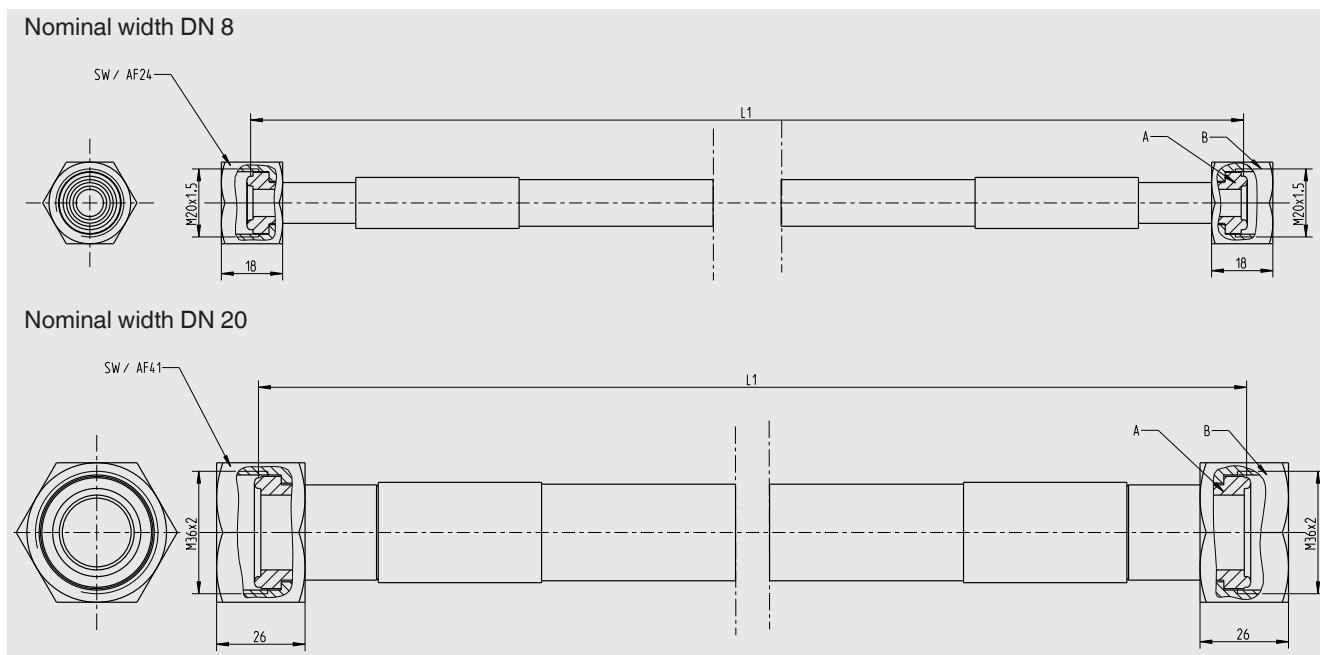
For details, see data sheet SP 61.13

Connections (nominal width DN 20)

- Coupling valve, DN 20, female, brass (model GCC-20)
- Coupling valve, DN 8, female, stainless steel (model GCC-20)
- Valve, DN 8, male, brass (model GCV-20)

For details, see data sheet SP 61.14

Dimensions in mm



Ordering information

Model / Version / Hose length / Connections

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