# Accessories
# Vent valve made of stainless steel with threaded connection

→ **Type 1940 / 1945**

**Type 1960 / 1965**

Vent valve made of
stainless steel with
threaded connection



## MATERIAL



## SPECIFICATION



1/2" to 1"      −60°C to + 400°C      -6 mbar to -800 mbar

## SUITABLE FOR

| | | |
|---|---|---|
| Air, gases and vapours | neutral |  |
| Steam | |  |

## EXAMPLES OF USE

Vent valve for pipelines, pipeline systems, vessels and heat exchangers, in which the pressure should not fall below atmospheric pressure.
- Vessel emptying
- Protection against vacuum build-up in tanks, piping systems, heat exchangers and vessels in steam plants

## NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS

| Type 1940 / 1945: Connection, Installation dimensions, Weight | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | **1940** | | | **1945** | | |
| Nominal diameter | DN | 15 | 20 | 25 | 15 | 20 | 25 |
| | PN | 40 | | | | | |
| Screw-in connection thread | G | 1/2" (15) | 3/4" (20) | 1" (25) | 1/2" (15) | 3/4" (20) | 1" (25) |
| Inlet aperture (threaded) | G1 | 1/4" (8) | 1/2" (15) | 3/4" (20) | 1/4" (8) | 1/2" (15) | 3/4" (20) |
| Installation dimensions in mm | H | 55,4 | 63,4 | 69 | 109,4 | 117 | 123 |
| | H1 | 15 | 17 | 19 | 15 | 17 | 19 |
| | A | 36 | 52 | 64 | 36 | 52 | 64 |
| | SW | 36 | 52 | 64 | 36 | 52 | 64 |
| Weight | kg | 0,37 | 0,80 | 1,26 | 0,65 | 1,31 | 2 |
| Range of adjustment | mbar | -6 | -6 | -6 | -100 – -800 | -100 – -800 | -100 – -800 |

## MATERIALS

| Component | Material | DIN EN | ASME |
|---|---|---|---|
| Inlet body | Stainless steel | 1.4404 | 316L |
| Outlet body | Stainless steel | 1.4404 | 316L |
| Internal parts | Stainless steel | 1.4404 | 316L |

## THREADED INLET / THREADED SUCTION CONNECTION

| | | | |
|---|---|---|---|
| m/f | Standard | Male thread BSP-P / Female thread BSP-P | DIN EN ISO 228-1 / DIN EN ISO 228-1 |
| f/f | | Female thread BSP-P / Female thread BSP-P | DIN EN ISO 228-1/DIN EN ISO 228-1 |
| NPTm/f | | Male thread NPT / Female thread BSP-P | ANSI B 1.20.1/DIN EN ISO 228-1 |
| BSP-Tm/f | | Male thread BSP-T / Female thread BSP-P | DIN EN 10226, ISO 7-1/DIN EN ISO 228-1 |

**GOETZE** ARMATUREN

## ■ SEALS

| | | | |
|---|---|---|---|
| **Primary seal** | PTFE | Polytetraflouroethylene | -60°C to +225°C |
| **Primary seal** | MD* | Metallic seal | -60°C to +400°C |
| **Secondary seal** | PTFE | Polytetraflouroethylene | -60°C to +225°C |

* only valid for the type 1940

## Type 1940/1945 ■ MAIN DIMENSIONS, INSTALLATION DIMENSIONS
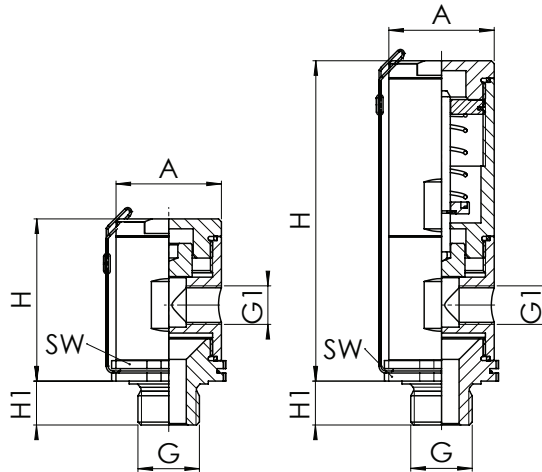
## ■ CAPACITY CHART
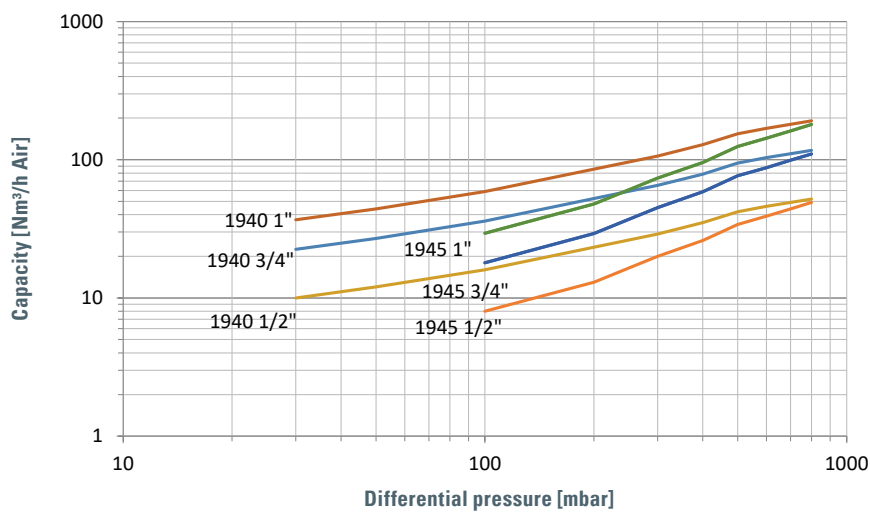
Conversion: $Nm^3/h \times \dfrac{1000}{3600} = Nl/s$

Type 1940 opening at -6 mbar (=0,994 bar abs. )

The flow rate increases with rising differential pressure.

Example size 1":

The flow rate at a differential pressure of 60 mbar amounts to 50 Nm³/h air which corresponds to 13.9 Nl/s

The flow rate at a differential pressure of 200 mbar amounts to 82 Nm³/h air which corresponds to 22.8 Nl/s

Type 1945 adjustable from -100 up to -800 mbar ( from 0.9 to 0.2 bar abs. )

The flow rate is independent of the set pressure, however it increases with rising differential pressure.

Example size 1/2":

The flow rate at a differential pressure of 100 mbar amounts to 8 Nm³/h air which corresponds to 2.2 Nl/s

The flow rate at a differential pressure of 400 mbar amounts to 26 Nm³/h air which corresponds to 7.2 Nl/s