

Filter cartridges for the separation of solids from gaseous media

STANDARD CONSTRUCTION – Flow direction: outside to inside

Filtering medium (6): Resin impregnated cellulose paper, reinforced with polyester fibres (hydrophob)

Grammage: 200 gr/m²

Filtration efficiency: test aerosol “SAE Fine Test Dust”
acc. ISO 12103-01 refer to applicable curves (see below/reverse)

Bonding adhesive between filtering medium and metal parts (3):
natural gas resistant polyurethane

Metal parts (4+5): with inner and outer core (-a = without), standard galvanized steel. optionally: stainless steel, material 1.4301 or 1.4541 or blank steel, electrolytically galvanized, passivated.

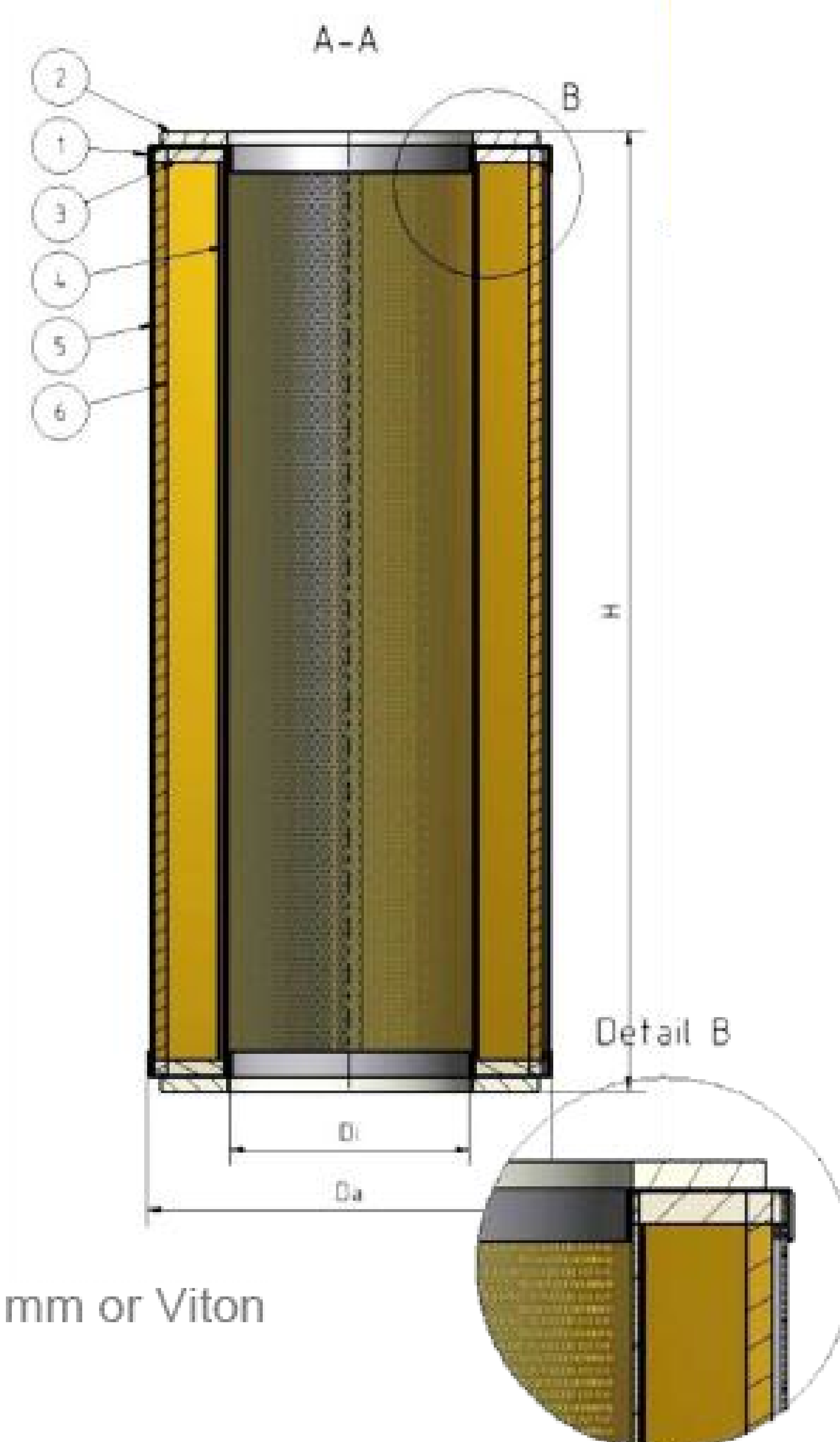
End caps (1): galvanized sheet steel. Ring at both ends, or one side closed. optionally provided with hole for drawbar. Further options: with inner or outer eccentric ring, natural gas resistant polyurethane with male / female profile (EPZ®).

ZPZ®: one side ring with eccentric ring, other end closed

ZPZ® E: with integrated dust retention device

Gaskets (2): Standard 5 mm felt Optionally: natural gas resistant BUNA-N 3 mm or Viton

Recommended initial differential pressure: 50-100 mbar (0.7-1.4 psi)



Recommended differential pressure for cartridge change:
800 - 1000 mbar (10 - 15 psi) dependant of specific flow conditions

Maximum differential pressure: 2 bar (burst pressure)

Temperature resistance:

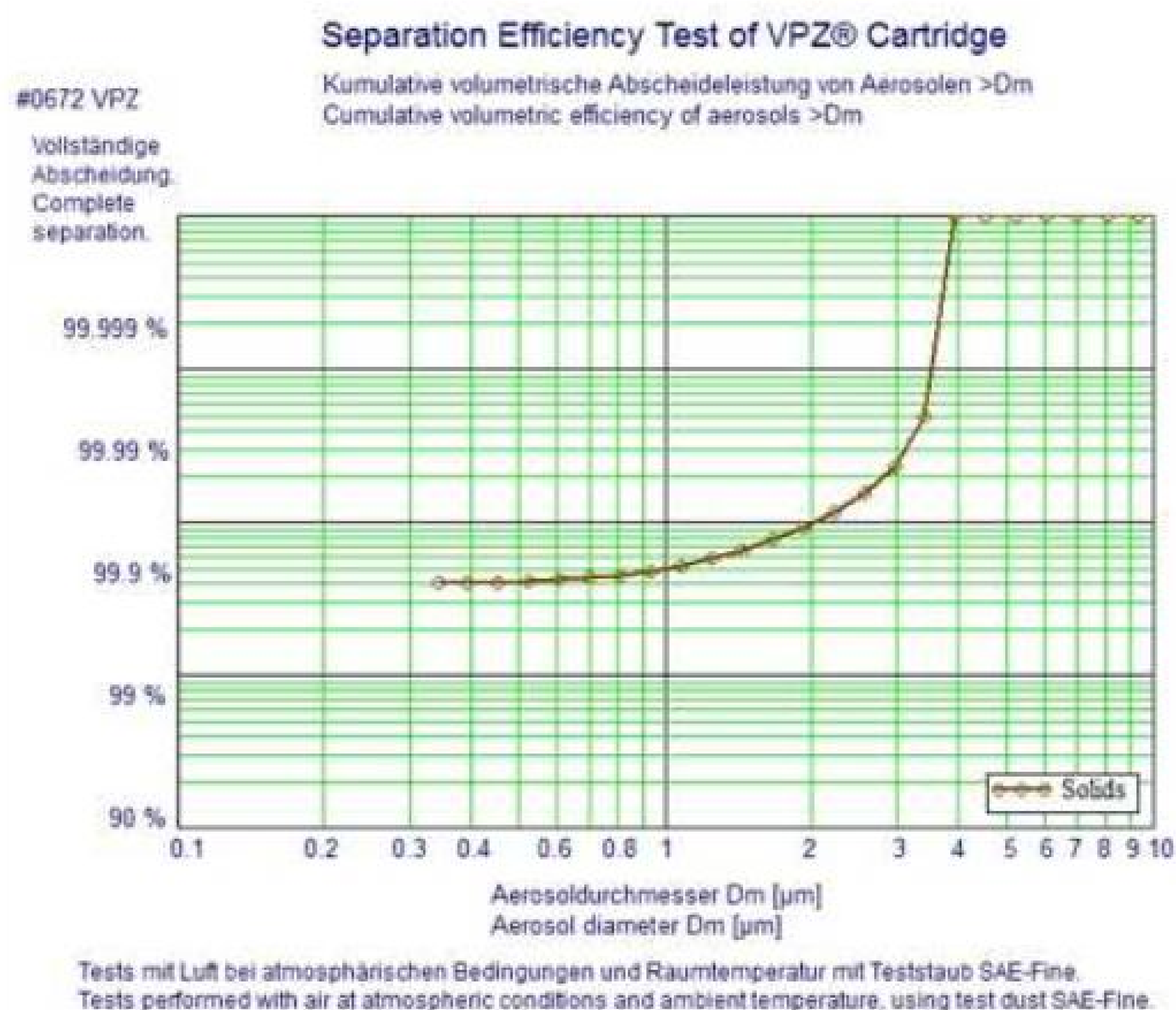
continuous operating temperature min. -20°C, max. 80°C

maximum surge 120 °C (30 min. max., pH7)

If all metal parts are stainless steel then the min. continuous operating temperature is -30°C

Other temperature ranges on request (120 °C max.)

Tests performed with air under atmospheric conditions



Air intake cartridges



ORDERING CODE:

VPZ® ① + 90/600 ① +

special constructions

height incl gaskets
 inner diameter (-outer diam.)

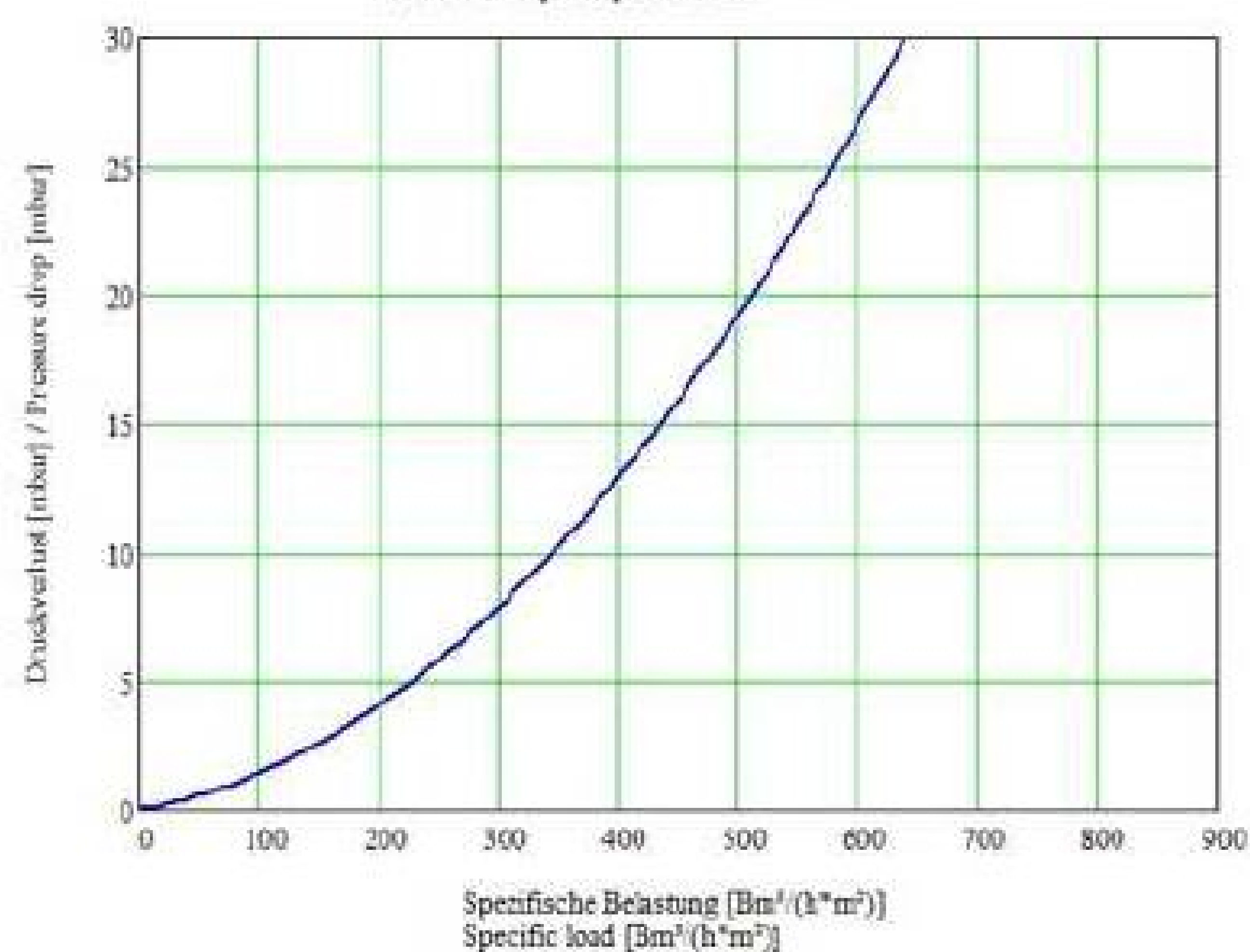
Temp./model

VoTech cartridge type



Pressure drop of VPZ® Cartridge

Druckverlust vs. spezifische Belastung
 Pressure drop vs. specific load



Tests wurden unter atmosphärischen Bedingungen und bei Raumtemperatur durchgeführt.
 Tests performed under atmospheric conditions with air at ambient temperature.