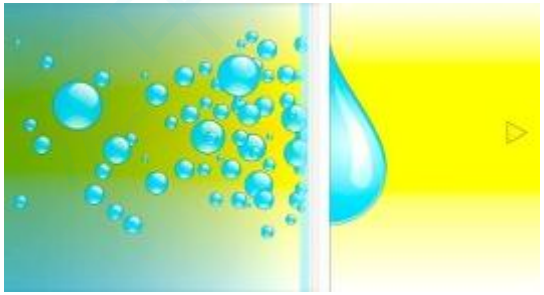
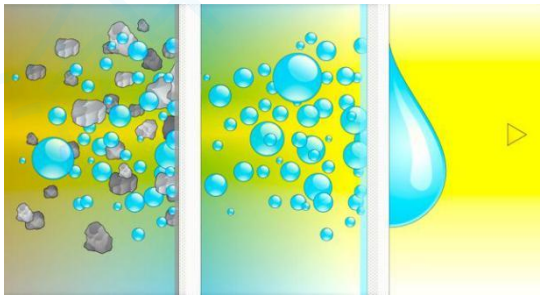
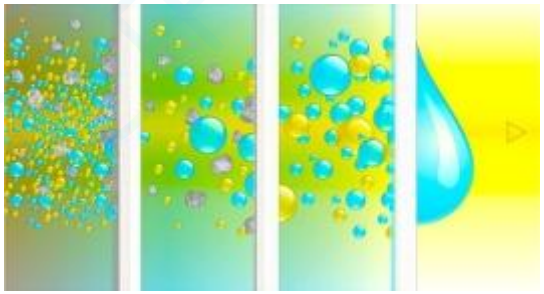
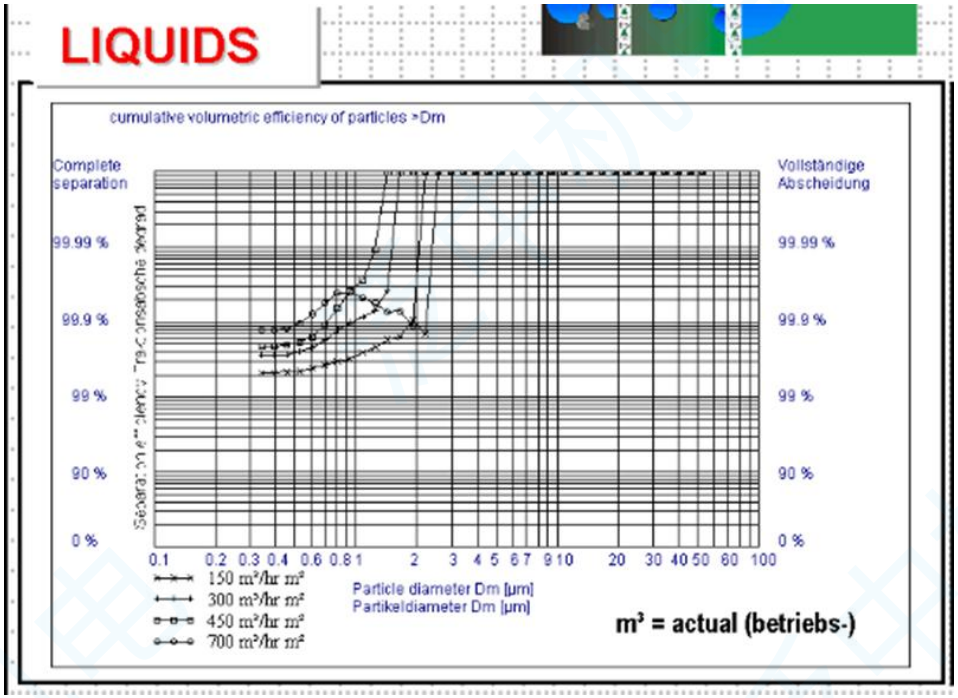
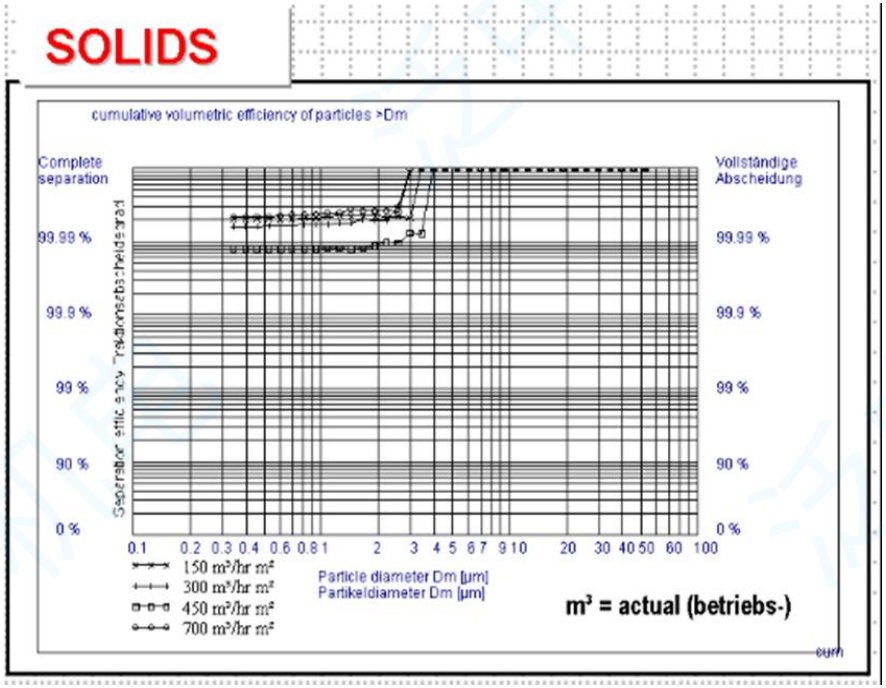
Votech 复合凝聚式天然气滤芯（颗粒、水汽、油雾）

SoloToV®	Filtering material SoloToV®: wound layers of controlled density impregnated glass fibre material Filtering material SoloToV®-B: pleated layers of controlled density impregnated glass fibre material Application: for separation of condensates from wet gases combined with the removal of fine solid particles. Also available in pleated version (SoloToV®-B), to increase filtering surface where space issues occur (f.e. retrofitting) Temperature resistance: continuous operating temperature 70°C; maximum surge 120°C (pH 7). For medium temperature cartridges type -MT: continuous operating temperature: 120°C (pH 7). For medium high temperature cartridges type -MHT: continuous operating temperature: 180°C (pH 7). For (ultra) high temperature cartridges type -UHT: continuous operating temperature: >240°C (pH 7). 过滤材料 SoloToV®:伤口层密度控制浸渍玻璃纤维材料 过滤材料 SoloToV®- b:褶层密度控制浸渍玻璃纤维材料 应用范围:从**湿气体冷凝分离结合优良的固体颗粒**的去除。也可在折叠版本(SoloToV®- b),增加过滤面空间问题发生(远东改造) 耐温性:连续工作温度 70°C;最大飙升 120°C(pH 值 7)。 介质温度墨盒类型太:连续工作温度:120°C(pH 值 7)。 中高温 mht 墨盒类型:连续工作温度:180°C(pH 值 7)。 (超)高温墨盒类型 uht:连续工作温度:> 240°C(pH 值 7)。	

DuoToV®	Filtering material: integrated pre-filter section: multilayer pleated assembly coalescer section: wound layers of controlled density impregnated glass fibre material Application: excellent for cases where both condensate and particle separation from moist gases are required. An integrated pre-filter effectively separates solid particles, thus considerably increasing the cartridge lifetime Temperature resistance: for standard cartridges continuous operating temperature 70°C; maximum surge 120°C (pH 7). For medium temperature cartridges type -MT: continuous operating temperature: 120°C (pH 7). For medium high temperature cartridges type -MHT: continuous operating temperature: 170°C (pH 7). For ultra high temperature cartridges type -UHT: continuous operating temperature: 240°C (pH 7). 过滤材料: 综合预滤器部分:多层折叠组装 聚结器部分:伤口层密度控制浸渍玻璃纤维材料 用途:适合的情况下**冷凝和粒子分离从潮湿的气体**都是必需的。一个集成的有效预滤器分离**固体颗粒**,从而大大增加了筒一生 耐温性:标准墨盒连续操作温度 70°C;最大飙升 120°C(pH 值 7)。 介质温度墨盒类型太:连续工作温度:120°C(pH 值 7)。 中高温 mht 墨盒类型:连续工作温度:170°C(pH 值 7)。 uht 超高温墨盒类型:连续工作温度:240°C(pH 值 7)。	

MicroToV®	Filtering material: integrated pre-filter section: multilayer pleated assembly coalescer section: wound layers of controlled density impregnated glass fibre material with additional micro-separation phase Application: to remove fine oil mist, condensate and solids from moist gases. A special microlayer for conditioning oil mist in the gas stream is integrated in this cartridge. Like the DuoToV®, an integrated pre-filter effectively separates solid particles. Temperature resistance: for standard cartridges continuous operating temperature 70°C; maximum surge 120°C (pH 7). For medium temperature cartridges type -MT: continuous operating temperature: 120°C (pH 7). For medium high temperature cartridges type -MHT: continuous operating temperature: 170°C (pH 7). For ultra high temperature cartridges type -UHT: continuous operating temperature: 240°C (pH 7). 过滤材料: 综合预滤器部分:多层折叠组装 聚结器部分:伤口层密度控制浸渍玻璃纤维材料附加 micro-separation 阶段 应用:可清除**油雾、凝析油和固体从潮湿的气体**。一个特殊的微层气流调节**油雾**的集成在这个墨盒。一个集 MicroTov 成的预滤器有效分离固体颗粒。 耐温性:标准墨盒连续操作温度 70°C;最大飙升 120°C(pH 值 7)。 介质温度墨盒类型太:连续工作温度:120°C(pH 值 7)。 中高温 mht 墨盒类型:连续工作温度:170°C(pH 值 7)。 uht 超高温墨盒类型:连续工作温度:240°C(pH 值 7)。	

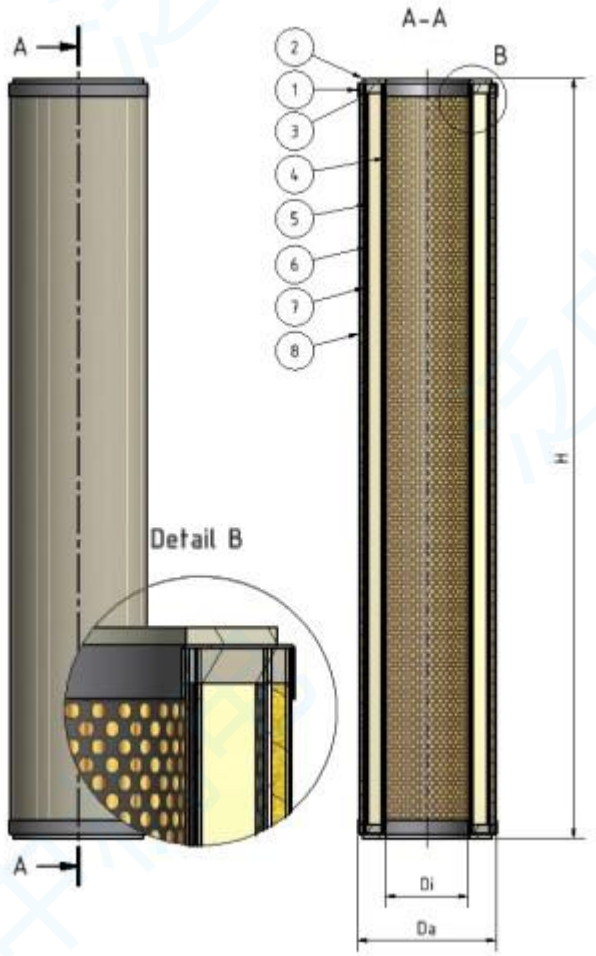




STANDARD CONSTRUCTION

Coalecing cartridge Series DuoToV® for the separation of liquids and solids from wet gaseous media

Flow direction: inside to outside
Operating temperature: 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 continuous operating temperature is min. -30°C
Other temperature ranges on request (240°C max.).
Pre-filter section (5): multilayer pleated assembly
Coalescer section (7): wound layers of controlled density glass fiber material connected to the end flanges (1) by means of a natural gas resistant bonding compound (3)
End caps (1): galvanized sheet steel. Optionally: stainless steel, material 1.4301 or 1.4541 or blank steel, electrolytically galvanized, passivated.
Sock (8): cotton
Gaskets (2): 5 mm wool felt, optionally 3 mm Buna-N or Viton
Inner (6) and outer (4) core: perforated sheet steel, galvanized. Optionally:
stainless steel, material 1.4301 or 1.4541 or blank steel, electrolytically galvanized, passivated.
Dimensions:
DuoToV 90/*: inner diameter 90 mm, outer diameter 152 mm.
DuoToV 120/*: inner diameter 120 mm, outer diameter 182 mm.



*: various heights (H) available.

Standard heights: 180 - 279 - 368 - 559 - 736 – 838 – 1104 mm

Operation: core collapse pressure: 5 bar (burst pressure)
recommended differential pressure for cartridge change: 800 - 1000 mbar
Efficiency: test aerosol “SAE Fine Test Dust” acc. ISO 12103-01 and paraffin oil, refer to applicable curves (see below)
Handling: Shoks of some kind during transport, storage and mounting procedures are to be avoided, as they are a combination of steel, glassfibre material and inorganic bonding compound. Wear clean gloves while handling the cartridges!

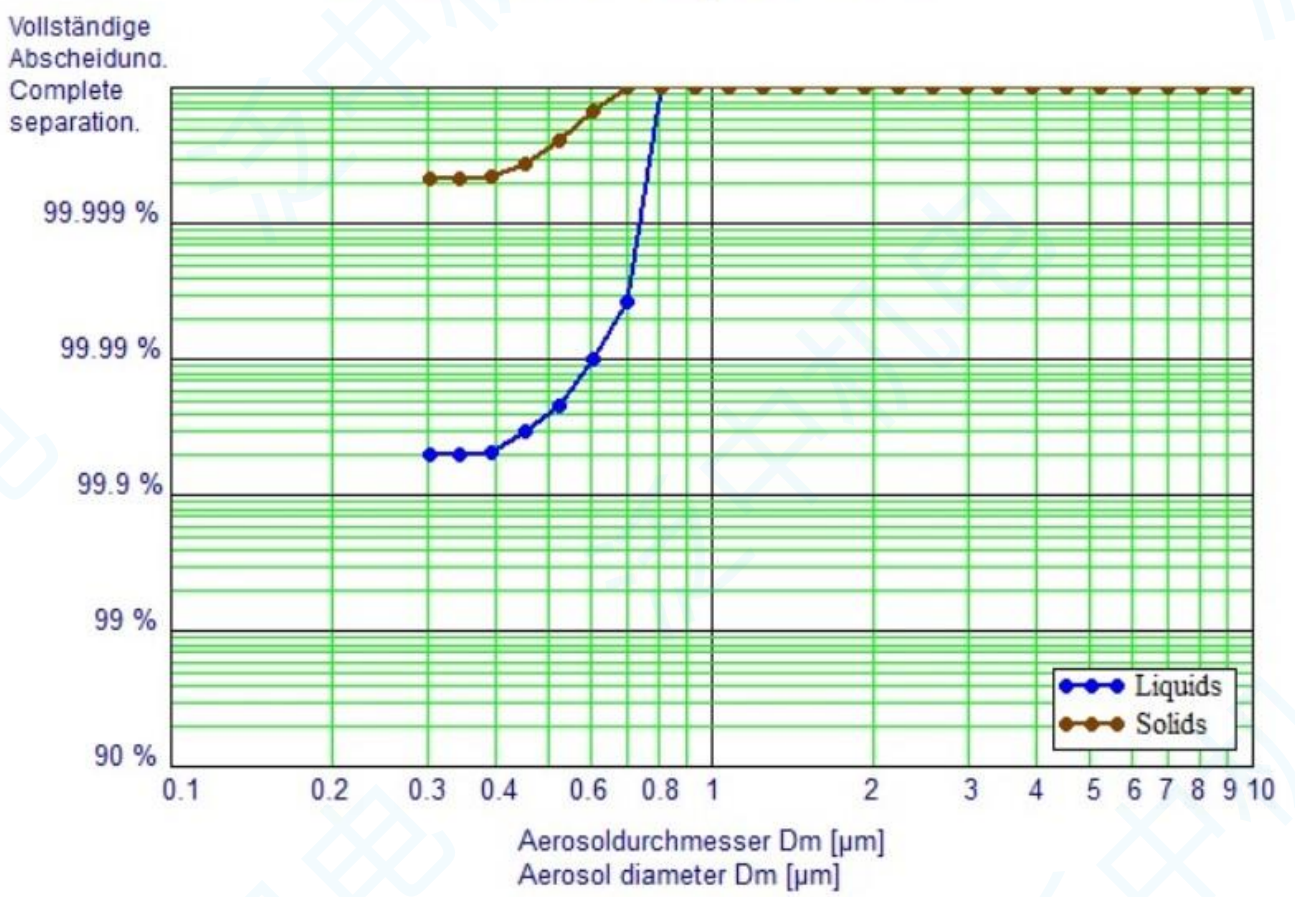
DuoTov 玻纤复合凝聚式过滤筒工作温度： ~120 度

过滤效率：滤芯阻力<2500Pa 情况下 3μ及以上的固体颗粒和液滴的清除效率能达到 100%；对 3μ以下的固体颗粒清除效率为 99.99%；当液滴为 1-3μm 时，清除效率不小于 99.9%，当液滴小于 1μm 时，过滤效率不小于 99% 。

Separation Efficiency Test of DuoToV® Cartridge

#0900 DuoToV®

Kumulative volumetrische Abscheideleistung von Aerosolen >Dm
Cumulative volumetric efficiency of aerosols >Dm



Tests mit Luft bei atmosphärischen Bedingungen und Raumtemperatur mit Teststaub SAE-Fine, bzw. Parrafinöl durchgeführt.
Tests performed with air at atmospheric conditions and ambient temperature, using test dust SAE-Fine, resp. parrafine oil.