



Product integrity  
in stainless steel

Improved Safety · Purity · Efficiency

### Bubbler Specification

<b>Material:</b>	UNS S31603 / 316L Hastelloy on request
<b>Helium-Leak test:</b>	Helium-leak tested to 4x10 <sup>-9</sup> mbar l/s
<b>Pressure test:</b>	300 psi (21 bar) – according to DOT*
<b>Marking:</b>	In accordance with DOT* Customer information optional
<b>Documentation:</b>	3.1, Certificate EN 10204 DOT*
<b>Test procedures:</b>	Verification of dimensions Visual inspection Roughness measurements Conductivity test (DI water) TOC-measurement of DI-water Particle measurement
<b>Packing and delivery:</b>	Filled with N <sub>2</sub> (99.9948%) and bagged in polythene PE, single packed in cartons crate

\* Department of Transportation

<b>Qualities:</b>	<b>finetron</b> (P)	<b>ULTRON</b> (UHP, HP)
<b>Surface Option:</b>	Ra ≤ 0,40 µm (16 Min.)	Ra ≤ 0,25 µm, electropolished (16 Min.)
<b>Cleanroom:</b>	Class 100	Class 10

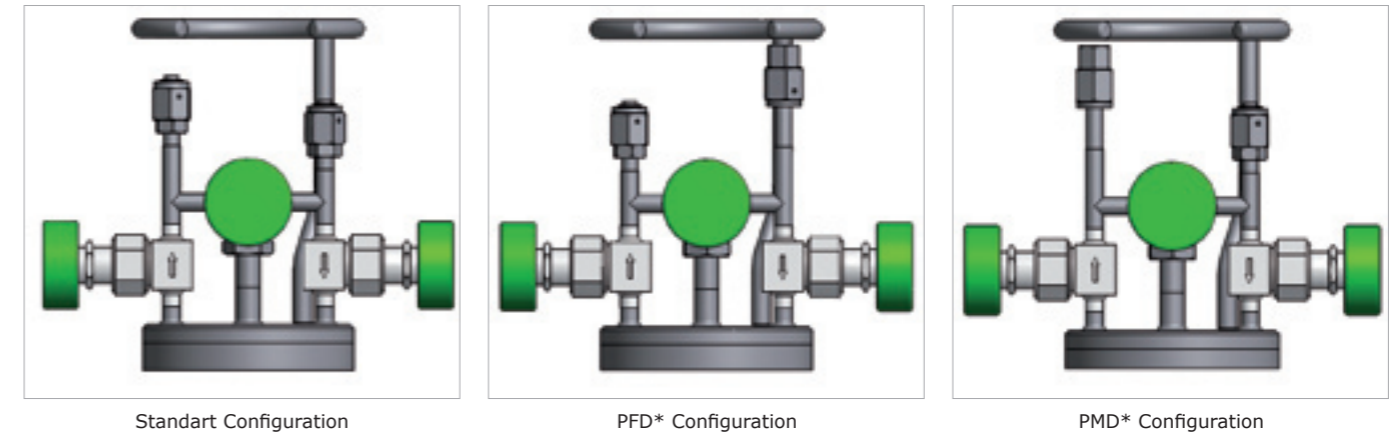
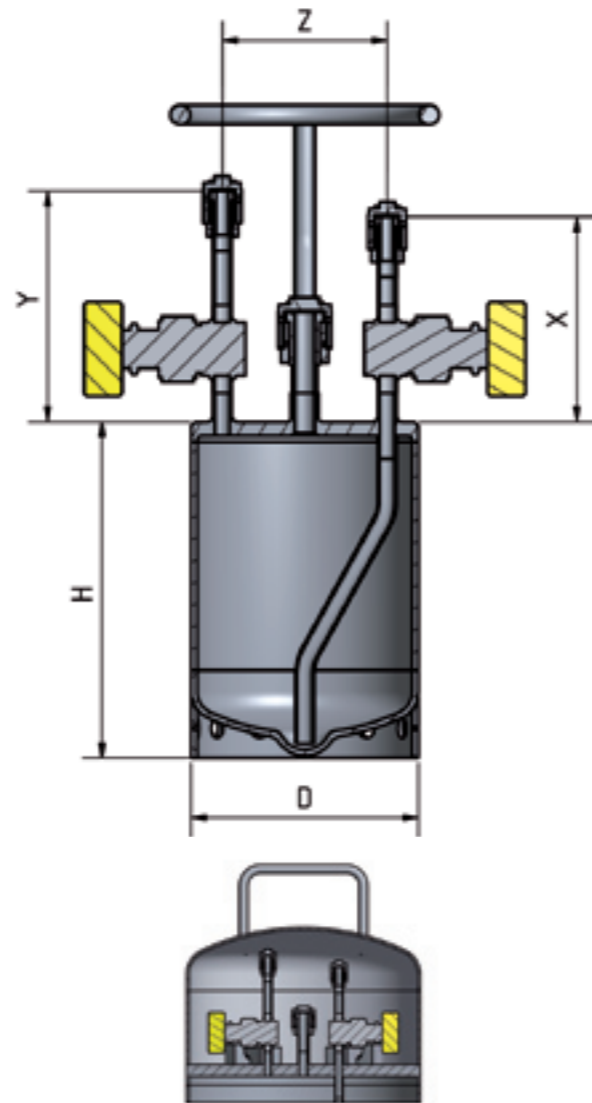
**Features**

- Dockweiler orbital welding technology
- High quality diaphragm valves
- Helium-leak tested to  $4 \times 10^{-9}$  mbar l/s
- Pressure tested to 300 psi (21 bar), according to DOT
- Inspection port 1/2"
- Valve protection cap
- Available in 3 qualities
  - UHP: Ultron\*  
final weld electropolished
  - HP: Ultron\*
  - P: finetron\*

\*acc. to Dockweiler Product Specifications

**User benefits**

- Handle to protect valves
- Returnable and reusable
- Guaranteed quality through controlled process



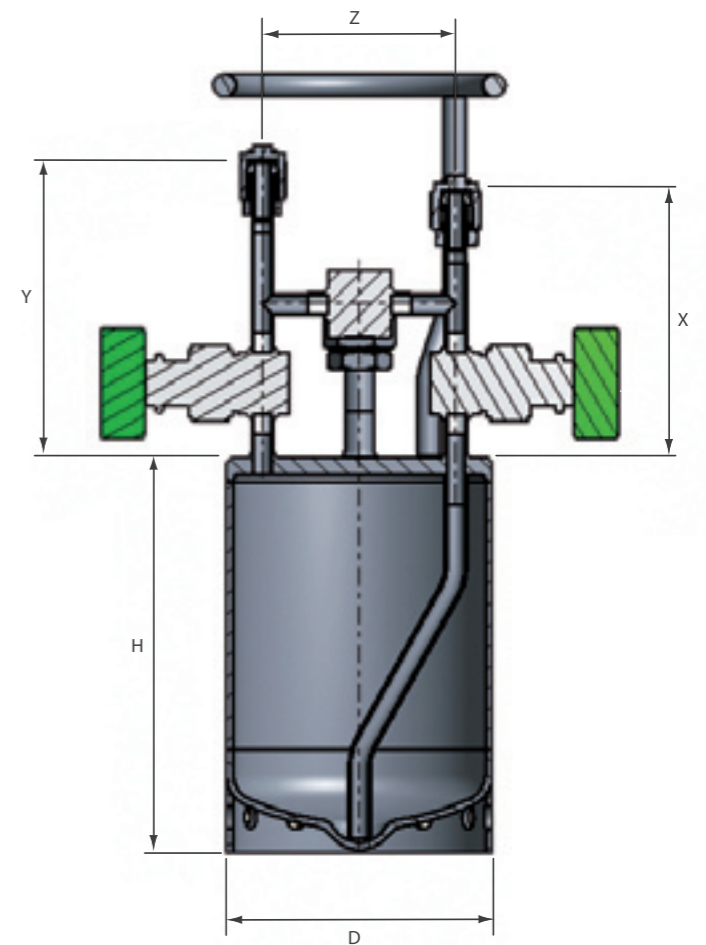
\* PMD: Polarized Male - Dip Tube, PFD: Polarized Female - Dip tube

**Further features**

- Integrated purge valve
  - Minimized dead volumes
  - Best possible purge practice
- Approvals for Transportation DOT (US)

**User benefits**

- Optimized and safer handling
- Faster commissioning
  - Complete rinseability
  - Reduced dead volume
  - Optimum chemical usage and cleaning times



**Dockweiler Bubbler 100 and Bubbler Crossover**

Bubbler 100	Bubbler 100 Crossover	Diameter D (mm)	Volume V (ml)	Height H (mm)	Inlet X (mm)	Outlet Y (mm)	Width Z (mm)
63-400/48		63.5	400	145	105	105	48
63-400	C63-400	63.5	400	145	139	152	83
114-1300	C114-1300	114.3	1300	170	114	127	83
114-3200	C114-3200	114.3	3200	400	114	127	83
168-3150	C168-3150	168.3	3150	170	114	127	83
168-8000	C168-8000	168.3	8000	400	114	127	83
168-22000	C168-22000	168.3	22000	1070	114	127	83

**Dockweiler Bubbler with valve protection cap**

273-56000	C273-56000	273.05	56000	1037	114	127	83
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