

# 'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



# Cr<sub>17</sub>Ni<sub>12</sub>Mo<sub>3</sub>

Stainless Steel Bubbler Concept

EG - ELECTRONIC GRADE  
EPIGRADE™  
EPIGRADE AC™

**'BUBBLER TYPE 100**

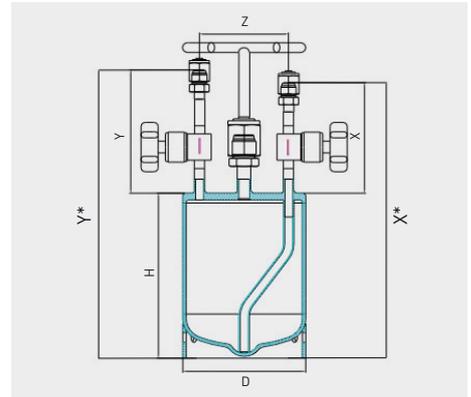
**'MO-III/V**

Ra ≤ 0,25 µm

PRODUCT DATASHEET

# 'BUBBLER TYPE 100

- Superior bubbler quality
- EPIGRADE™ specified
- Single valve configuration



## BUBBLER DIMENSIONS & SPECIFICATION

Product Code	Do.100 400J	Do.100 400	Do.100 1300	Do.100 3200	Do.100 2200	Do.100 3150	Do.100 8000	Do.100 22000	Do.100 56000
Diameter D (mm)	63.5	63.5	114.3	114.3	168.3	168.3	168.3	168.3	273.05
Corpus height H (mm)	145	145	170	400	140	170	400	1070	1040
Diptube X (mm)	115	139	114	114	114	114	114	114	114
Outlet Y (mm)	115	152	127	127	127	127	127	127	127
Diptube overall height X* (mm)	260	284	284	514	254	284	514	1184	1154
Outlet overall height Y* (mm)	260	297	297	527	267	297	527	1197	1167
Outlet/Diptube Z (mm)	48	83	83	83	83	83	83	83	83
Volume (ccm)	400	400	1300	3200	2200	3150	8000	22000	56000
Net fill volume (ccm)	360	360	1170	2880	1980	2835	7200	19800	50400
Tare weight (appr.) g	1600	1600	3250	5000	4700	5200	8850	17250	35000
Diptube/outlet connection standard	m/m	m/m	m/m	m/m	m/m	m/m	m/m	m/m	m/m
Purging option	-	-	-	-	-	-	-	-	-
Valve protection cap	-	-	-	-	-	-	-	○	○
Constant wall thickness	-	-	●	●	●	●	●	●	●
Bottom shape	flat	flat	dished end	dished end					
Handle	-	-	●	●	●	●	●	●	●
Heat-exchanger option	-	-	-	○	○	○	○	○	○

- standard
- optional
- n.a.

## PHYSICAL PROPERTIES

- Stainless steel TP316L ( $Cr_{17}Ni_{12}Mo_3$ )
- ULTRON® electropolished HE 175 8VN spec. ( $Ra \leq 0,25 \mu m$ )
- Orbital welded GATW (TIG) spec.
- Single diaphragm-valve configuration
- Helium leak checked  $< 4 \times 10^{-9}$  mbar l/s
- Pressure tested to 300 psi (21 bar)
- Refillable
- Standard outlet/diptube configuration
  - 1/4" male/male VCR®
  - outlet-diptube distance 83mm
  - outlet/diptube offset 13mm
- Available also in different outlet/diptube configurations e.g.
  - 1/4" male/female VCR®
  - outlet-diptube distance 48.5mm
  - outlet/diptube offset 0mm
- Inspection port 1/2" VCR®
- Constant wall thickness and round shaped bottom for best thermal transfer (except Do.100.400 & Do.100.400J)

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PRODUCT DATASHEET

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