

'DOCK/ CHEMICALS

SEMICONDUCTORS DECISION



Cr₁₇Ni₁₂Mo₃

Stainless Steel Bubbler Concept

EG - ELECTRONIC GRADE
EPIGRADE™
EPIGRADE AC™

'BUBBLER TYPE 200

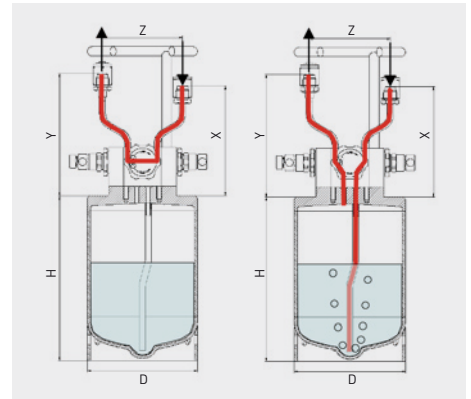
'MO-III/V

Ra ≤ 0,25 µm

PRODUCT DATASHEET

'BUBBLER TYPE 200

- Superior bubbler quality
- EPIGRADE™ specified
- Single valve configuration
- Block-valve configuration for purging option



BUBBLER DIMENSIONS & SPECIFICATION

Product Code	Do.200 400J	Do.200 400	Do.200 1300	Do.200 3200	Do.200 2200	Do.200 3150	Do.200 8000	Do.200 22000	Do.200 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)	170	170	170	400	140	170	400	1070	1070
Diptube X (mm)	114	114	114	114	114	114	114	114	114
Outlet Y (mm)	127	127	127	127	127	127	127	127	127
Diptube overall height X* (mm)	284	284	284	514	254	284	514	1184	1184
Outlet overall height Y* (mm)	297	297	297	527	267	297	527	1197	1197
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	2280	1980	2835	7200	19800	50400
Tare weight (appr.) g	2400	2400	4000	5800	5500	6000	9650	18000	36000
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	dished end	dished end	dished end	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.
- Diaphragm block-valve (4/2)
- Helium leak checked
< 4×10^{-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.200.400 & Do.200.400J)

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PRODUCT DATASHEET

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