

DOCKWEILER

TUBE SYSTEMS IN STAINLESS STEEL

DOCKWEILER CAPS

The smart end cap for progressive
tube installation



THIS END IS A BEGINNING.

BENEFITS:

More security:

- Optimum weld quality – purge gas flow is guaranteed in contrast to conventional weld endcaps
- Optimum preparation – the tube end is ready for orbital welding
- No particle contamination caused by cutting and facing

More flexibility:

- Continuing a line is easy and without risk even in ultra pure production areas
- The safe and contamination-free solution for breaks during installation

More economy:

- Save time with easy and quick installation and deinstallation
- Re-usable cap and clamp

INDUSTRIES:

Semiconductor industry

Pharmaceutical industry

Biotechnology

Tank and apparatus engineering

FIELD OF APPLICATIONS:

- For temporary capping of a line
- For leak testing filter housing, bubblers etc. with orbital weld connections
- On valves with weld connections
- During transportation of high purity equipment (Helium-Leak-Rate 1×10^{-9} mbar l/s; 1×10^{-9} scc/sec)



THE PRINCIPLE OF FLEXIBILITY

THE SETTING OF THE CAP

- ① **Tube weld end**
1.4404 / UNS S31603 (316L)
- ② **Gasket**
2.4068 / N02200
- ③ **Cap**
1.4301 / UNS S30400 (304)
- ④ **Spring Washer**
Stainless Steel DIN 128 A4 / 5 / 6
- ⑤ **Screw**
1.4301 / UNS S30400 (304),
silver plated, up to 1"
1.4542 / UNS S17400,
silver plated, from 1" up to 6"



SIMPLE TO INSTALL



The tube weld end

is welded to the tube and remains part of the installation.



The cap

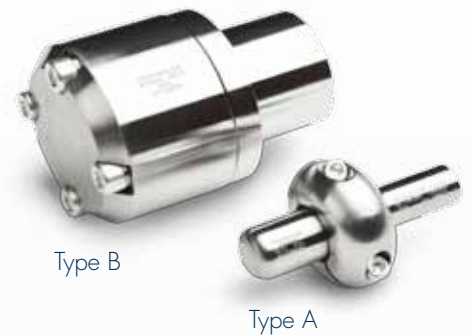
with the gasket is put over the tube weld end and bolted into position.

DOCKWEILER CAP

The smart end cap for progressive tube installation – the logical supplement to Dockweiler stainless steel tube systems

DIMENSIONS:

Imperial (mm)	Imperial (inch)	DW Cap	Pressure	
			bar	psi
dxs	dxs	Type		
6,35 x 0,89	1/4 x 0.035	A	100	1500
12,70 x 1,24	1/2 x 0.049	B	100	1500
12,70 x 1,65	1/2 x 0.065	B	100	1500
19,05 x 1,65	3/4 x 0.065	B	80	1200
25,40 x 1,65	1 x 0.065	B	60	900
38,10 x 1,65	1 1/2 x 0.065	B	60	900
50,80 x 1,65	2 x 0.065	B	50	600
63,50 x 1,65	2 1/2 x 0.065	B	50	600
76,20 x 1,65	3 x 0.065	B	30	450
101,60 x 2,11	4 x 0.083	B	20	300
152,40 x 2,77	6 x 0.110	B	12	200



Type B

Type A

APPLICATION	DOCKWEILER TUBE SYSTEM	SPECIFICATION
UHP	ULTRON[®]	Material: 316L stainless steel Inner surface: 0.18 µm / 7 µinch (0.13 µm / 5 µinch and 0.25 µm / 10 µinch on request) Surface treatment: electropolished, cleaned and packed in clean room
CFOS	TCC	Material: 316L stainless steel, Surface treatment: oil & lubricants free acc. to ASTM A 632, S3

Further tube systems and complete specifications, fittings dimensions and interesting technical information can be found in the Dockweiler catalogue (ask by fax or email) or on www.dockweiler.com