

INLINE NITROGENATION

Manual Unit

- Improves foam stability
- Micro bubble size
- Instant saturation
- Efficient, hygienic design

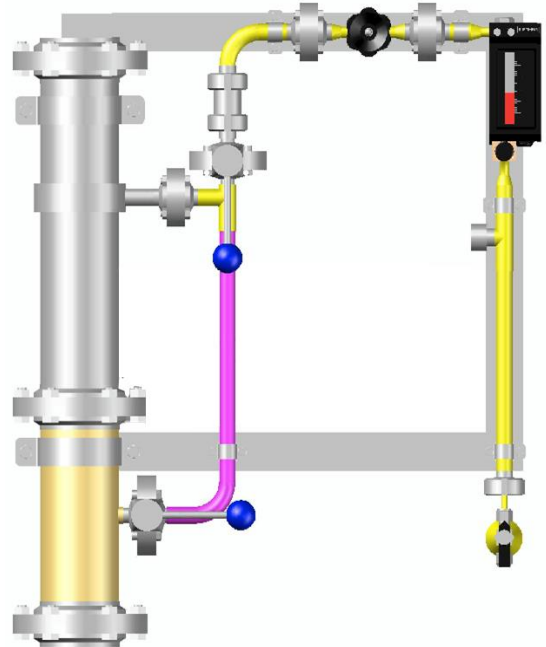


IN LINE NITROGENATION

Principle

N₂ is injected into the beverage through DENWEL Injector, which splits the gas into micro bubbles. Most efficient and instant saturation of N₂ is achieved with only a minimal pressure drop, no gas loss and a fully hygienic design. No static mixer, sinter candle or recirculation-tank is needed. Designed for CIP, no parts of the Injector have to be removed for sanitation.

The unit comes assembled on a compact frame, is tested and rapidly put into operation. Proven components guarantee low maintenance and extended lifetime. The modular layout allows for easy integration into the plant and efficient combination with other process units.



Technical data

Nitrogenation:	up to 20 ppm (P & T dependent)				
Pressure:	operating 3 to 5 barg, 44 to 72 psig				
Temperature:	operating 0 to 5 °C, 32 to 40 °F				
CIP:	3 to 5 barg, 44 to 72 psig; max. 90 °C, 200 °F				
Connection:	Tri-clamp; other connections upon request				
Dimensions:	from Height 0,8 m, 31,5"; Width 1,1m, 43,3"; Depth 0,2m, 6,5"				
Weight:	from 25 kg, 55 lb				
Material:	Stainless Steel 304, EPDM, PSU, PP				
Frame:	Mobile or Wall-mount				
Models:					

DNS025M	DN 25	1"	10 to 25 hl/h	5 to 11 gpm	9 to 21 bbls/h
DNS040M	DN 40	1½"	16 to 40 hl/h	8 to 17 gpm	14 to 34 bbls/h
DNS050M	DN 40	1½"	20 to 50 hl/h	9 to 22 gpm	18 to 42 bbls/h
DNS075M	DN 40	1½"	30 to 75 hl/h	14 to 33 gpm	26 to 63 bbls/h
DNS100M	DN 50	2"	40 to 100 hl/h	18 to 44 gpm	35 to 85 bbls/h
DNS150M	DN 65	2½"	60 to 150 hl/h	27 to 66 gpm	52 to 127 bbls/h
DNS200M	DN 65	2½"	80 to 200 hl/h	36 to 88 gpm	69 to 170 bbls/h
DNS300M	DN 80	3"	120 to 300 hl/h	53 to 132 gpm	103 to 225 bbls/h
DNS500M	DN 100	4"	200 to 500 hl/h	88 to 220 gpm	171 to 426 bbls/h
DNS750M	DN 125	5"	300 to 750 hl/h	132 to 330 gpm	256 to 639 bbls/h
DNSA00M	DN 150	6"	400 to 1000 hl/h	176 to 440 gpm	341 to 852 bbls/h