

HiFluxx® ST1508

HiFluxx® ST1508SS

Minimum nitrogen production capacity in Nm ³ /hr*						
Nitrogen purity %	99.5	99	98	97	96	95
4 bar(g)	2.07	2.95	4.84	6.60	8.80	11.0
5 bar(g)	3.06	4.36	7.15	9.75	13.0	16.3
6 bar(g)	4.00	5.70	9.35	12.8	17.0	21.3
7 bar(g)	4.70	6.70	11.0	15.0	20.0	25.0
8 bar(g)	5.17	7.37	12.1	16.5	22.0	27.5
9 bar(g)	6.11	8.71	14.3	19.5	26.0	32.5
10 bar(g)	6.58	9.38	15.4	21.0	28.0	35.0
11 bar(g)	7.52	10.7	17.6	24.0	32.0	40.0
12 bar(g)	7.99	11.4	18.7	25.5	34.0	42.5
13 bar(g)	8.46	12.1	19.8	27.0	36.0	45.0

Air consumption in Nm ³ /hr at minimum capacity						
Nitrogen purity %	99.5	99	98	97	96	95
4 bar(g)	17.6	18.6	20.8	23.1	26.4	28.6
5 bar(g)	26.0	27.4	30.7	34.1	39.0	42.3
6 bar(g)	34.0	35.9	40.2	44.6	51.0	55.3
7 bar(g)	40.0	42.2	47.3	52.5	60.0	65.0
8 bar(g)	43.9	46.4	52.0	57.8	66.0	71.5
9 bar(g)	51.9	54.9	61.5	68.3	78.0	84.5
10 bar(g)	55.9	59.1	66.2	73.5	84.0	91.0
11 bar(g)	63.9	67.5	75.7	84.0	96.0	104
12 bar(g)	67.9	71.8	80.4	89.3	102	111
13 bar(g)	71.9	76.0	85.1	94.5	108	117

Max. nitrogen capacity = min. capacity + 30%
*at nominal conditions

Nominal conditions

temperature :	20°C
ambient pressure :	1013 mbar(a)
max. pressure drop :	< 0.3 bar

Compressed air specifications

max. operating pressure :	13.0 bar(g)/188 psig
compressed air temperature range:	2 - 50 °C/ 36 - 122 °F
residual oil content :	< 0.01 mg/m ³
particles :	filtered at 0.01 µ cut off
relative humidity :	< 100% (non condensing)

Ambient conditions

ambient temperature range:	2 - 50 °C/ 36 - 122 °F (frostfree)
temperatures other than 20 °C:	see bulletin "correction factors HiFluxx"
ambient pressure:	atmospheric
air quality:	clean air without contaminants

Dimensions and connections

H x Ø D [mm]	1655 x 114
Weight [kg]	9 aluminium / 18 stainless steel
connections inlet/outlet	G 3/4"
vent	G 1"
housing material	aluminium or stainless steel 316



Attention

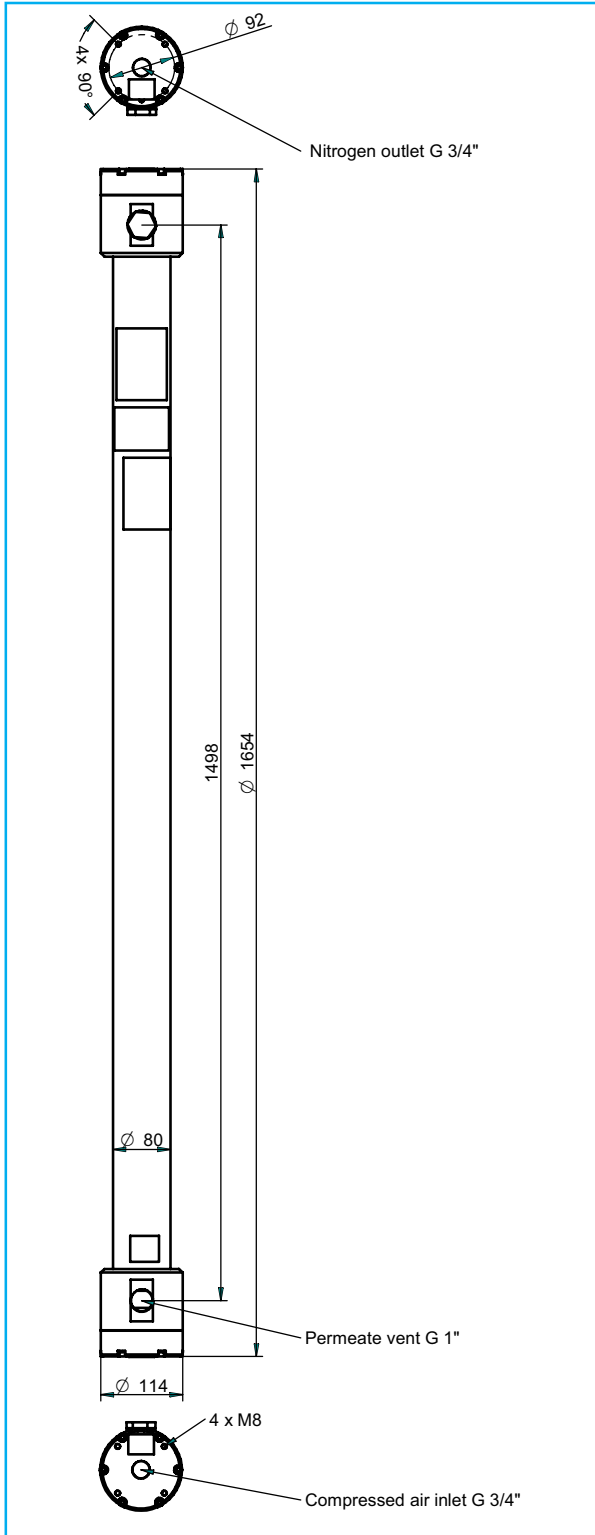
Parker Filtration and Separation membranes separate oxygen from pressurised air. The composition of the product is determined by measuring the residual oxygen content. The nitrogen content is calculated by subtracting the residual oxygen content from 100 %. Air is composed of nitrogen (78.1%), oxygen (20.9%), Argon (0.9%), CO₂ (0.03%), and some trace inert gases. Therefore it should be born in mind that the value that is normally called the nitrogen content actually is the inert gas content.

The nitrogen produced should, with the exception of the reduced oxygen concentration, be treated as pressurised air.

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Dimensional drawing of HiFluxx® ST1508(SS)
Aluminium P/N 159.003102
Stainless Steel P/N 159.003229



Installation instructions

HiFluxx® ST1508 should preferably be positioned upright and fed from below.