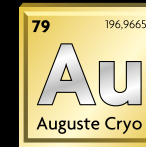


Auguste Cryogenics *microbulk* product lines | Technical data

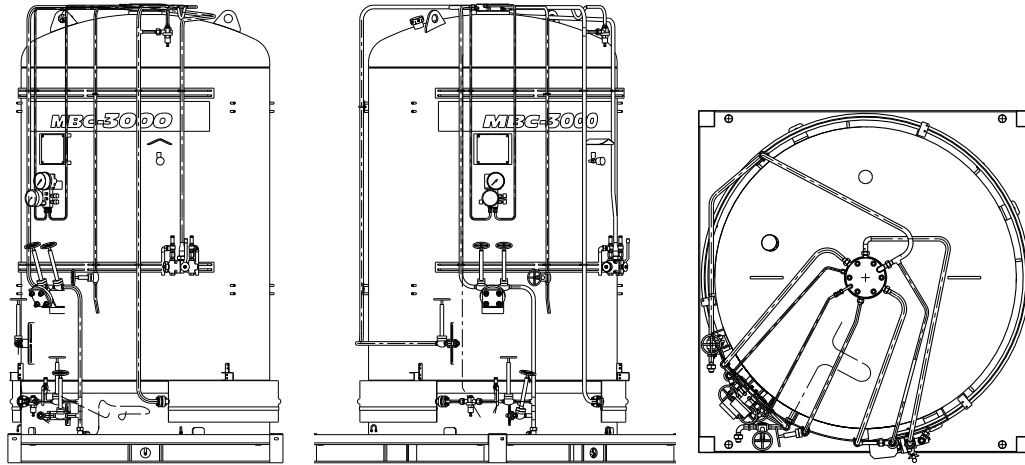
Specification Standard Pressures (MAWP): 8.0 bar¹ – 24.0 bar – 37.0 bar

¹ 8.0 bar with TCC line only



Auguste Cryogenics

SLOVAKIA



microbulk Product Lines General Specifications	
Outer vessel	Stainless steel
Inner vessel	Stainless Steel
Insulation	Multilayer Super Insulation, Gold Standard vacuum w/ 5 years warranty
Cleaning	For oxygen service
Pressure range	Standard MAWP 8.0** – 24.0 – 37.0 bar (** = 8.0 bar on TCC line only)
Features	<ul style="list-style-type: none"> • Steel pallet optimized for fork lift operation • TCC vessels with steel frame for additional protection • PED (for MBC) and TPED (for TCC) approval • Optional features and components available on request

Auguste Cryogenics MBC *microbulk* line | Specifications

		Type	MBC-1000	MBC-1500	MBC-2000	MBC-2500	MBC-3000
Volume* (l)	24.0 bar	gross	1000	1530	2070	2570	2940
		net (95%)	950	1450	1960	2440	2790
	37.0 bar	gross	990	1510	2050	2540	2910
		net (95%)	940	1430	1940	2410	2760
Average loss rate/day (N ₂ /%/Day)		24.0 bar	0,84	0,80	0,75	0,75	0,70
		37,0 bar	0,81	0,79	0,72	0,75	0,68
Auto Pressure building			yes	yes	yes	yes	yes
Dimensions (mm)		Height, incl. standard pallet	2150	2180	2680	2510	2770
		Diameter	1100	1300	1300	1500	1500
		Pallet size	1260x1430	1460x1500	1460x1500	1660x1850	1660x1850
Weight** (kg)	24.0 bar	empty	870	1080	1270	1590	1720
		full (N ₂)	1670	2320	2940	3670	4090
	37.0 bar	empty	960	1240	1450	1850	2000
		full (N ₂)	1760	2460	3110	3900	4350

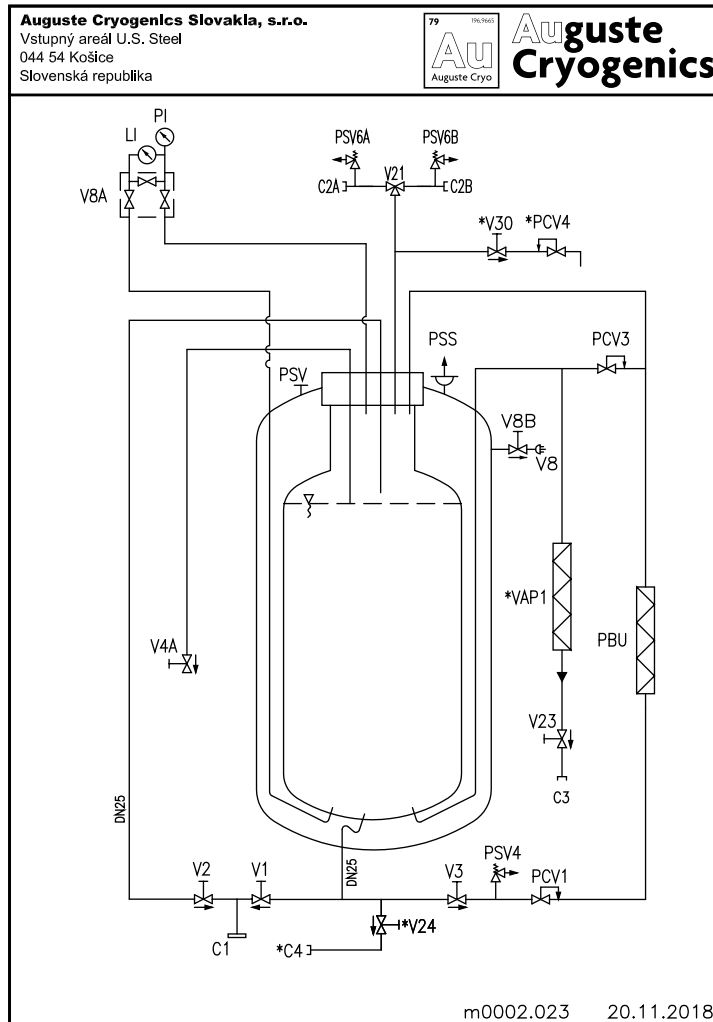
* Volumes can deviate as consequence of the cold stretching process. | ** Weight includes standard pallet.

Auguste Cryogenics TCC *microbulk* line | Specifications

		Type	TCC-750	TCC-1000
Volume* (l)	8.0 bar	gross	810	990
		net (95%)	770	950
	24.0 bar	gross	810	990
		net (95%)	770	940
	37.0 bar	gross	800	980
		net (95%)	760	930
Average loss rate/day (N ₂ /%/Day)		8,0 bar	1,55	1,50
		24,0 bar	1,55	1,50
		37,0 bar	1,51	1,49
Gas withdrawal rate (m ³ /hr)			30	30
Auto Pressure building			yes	yes
Dimensions (mm)		Height, incl. standard pallet	2000	2220
		Diameter	1100	1100
		Pallet size	1300x1500	1300x1500
Weight** (kg)	8.0 bar	empty	800	880
		full (N ₂)	1450	1680
	24.0 bar	empty	840	920
		full (N ₂)	1490	1720
	37.0 bar	empty	940	1040
		full (N ₂)	1590	1830

*Volumes can deviate as consequence of the cold stretching process. | ** Weight includes standard pallet and frame.

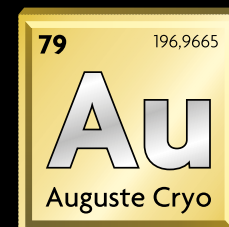
Auguste Cryogenics MBC/TCC tank lines | P&ID



POS.	DESCRIPTION	DETAILS
C1	Inlet Connection	G 3/4" DN25/PN40
C2	Gas Outlet Connection	
C2A	Check Connection	NPT 1/4"
C2B	Check Connection	NPT 1/4"
C3	Gas Outlet Connection Liquid Outlet Connection	NPT 1/2"
*C4	*Liquid Withdrawal Connection	NPT 1/2" (OPTIONAL)
PI	Pressure Gauge	
LI	Liquid Level Gauge	
V1	Bottom Fill/Liquid Withdrawal	DN15
V2	Top Fill	DN15
V3	PBU Isolation Valve	
V4A	Trycock 95%	DN15
V8	Vacuum Probe	
V8A	DP Gauge Manifold	
V8B	Vacuum Probe Valve	
V21	Diverter	
V23	Liquid Withdrawal Gas Withdrawal	DN15
*V24	Liquid Withdrawal	
*V30	Shut-off Valve for Process Protection	
*VAP1	*Vaporiser	(OPTIONAL)
PBU	Pressure Building Coil	
PCV1	PBU Regulator	
PCV3	Regulator – Economiser	
*PCV4	Bleed regulator	
PSV6A	Safety Relief Valve	1/2"
PSV6B	Safety Relief Valve	1/2"
PSS	Vacuum Burst Disk Outer Tank	
PSV	Evacuation Connection	
PSV4	Thermal Relief Valve	

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