

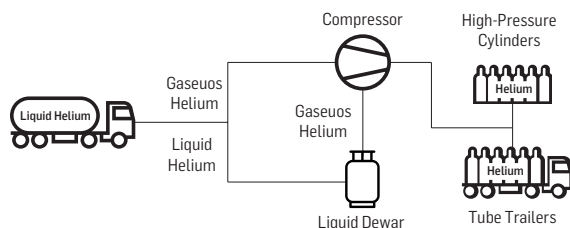
HELIUM COMPRESSION WITH ZERO LEAKAGE

STANDARD HIGH-PRESSURE COMPRESSOR PACKAGES FOR HELIUM CYLINDER FILLING STATIONS

STANDARDISED SOLUTIONS

Helium is used for various applications in different industries, such as medical services, cryogenics, welding, silicon wafers or breathing air for divers.

Burckhardt Compression offers a wide range of Standard High-Pressure Compressors for compressing helium gas up to 330 bar g. Our compressor systems are suitable for bulk-liquid helium transfer.



CUSTOMER BENEFITS

- Gas-tight crankcase with mechanical seal for zero gas loss
- Completely skid-mounted solution with flexibility to adopt customer and country specific requirements (i.e. CE / PED, KHK, DOSH)
- Supplied with anti-vibration mounting pad for ease of installation on commercial foundation
- Air-cooled cylinders and gas coolers. No water cooling required
- Metallic/ non-metallic rings carefully selected for helium gas applications
- PLC-based control panel

STANDARD HIGH-PRESSURE COMPRESSOR PACKAGES FOR HELIUM COMPRESSION

TECHNICAL DATA

Type	Compressor Speed rpm	Motor Rating kW	Suction Pressure bar a	Capacity Nm ³ /hr	Shaft Power at Discharge Pressure kW				
					201 bar a	251 bar a	301 bar a	331 bar a	
C5U217 GP	1 230	90	1.01	200	68	70	73	76	
			1.10	220	73	76	79	81	
	1 050	75	1.01	175	58	60	62	64	
			1.10	185	60	63	65	66	
	915	75	1.01	150	48	50	52	54	
			1.10	160	51	53	55	57	
	750	55	1.01	120	38	40	42	44	
			1.10	130	41	43	45	46	
	615	45	1.01	95	31	32	34	35	
			1.10	105	33	34	36	37	
	C5C116 GP	1365	45	1.01	95	36	37	39	41
				1.10	100	38	39	41	42
1215		45	1.01	80	32	33	34	35	
			1.10	90	33	35	36	37	
1075		37	1.01	70	28	29	30	31	
			1.10	80	29	30	31	32	
850		30	1.01	55	21	22	23	24	
			1.10	60	22	23	24	25	
615		22	1.01	35	16	17	17	18	
			1.10	40	16	17	17	18	

Typical performance range (+/- 5 % tolerance) of a Standard High-Pressure Compressor package for helium applications based on suction gas temperature from 0 °C to 35 °C and ambient temperature from 0 °C to 35 °C. Certified calculation available on request.

Special solutions outside this range are also available.

Burckhardt Compression

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