

APPLICATION

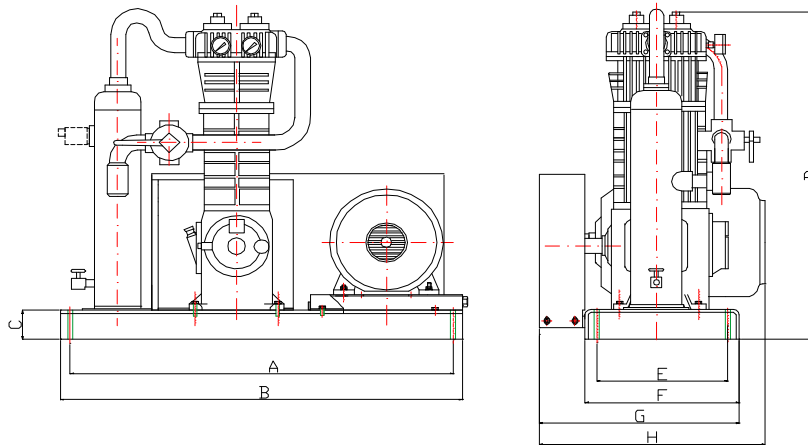
Compressor units are extremely versatile devices as they are capable of transferring liquids between tanks and recover vapour phase. The second feature makes compressor units perfect devices for emergency evacuation purposes. Many LPG piping systems do not provide ideal NPSH conditions for liquid pumps, what cause excessive pump wear and high maintenance costs. Since compressors handle vapours only, they are not affected by poor NPSH conditions. Many LPG pressurized tanks such as railcars and buried tanks have top unloading connections. The compressor unit can be the perfect solution for transferring liquids to and from such tanks. LPG compressors have an extended crankshaft option for PTO drive and hydraulic drive systems. The compressor can be utilized for loading/unloading as well as vapor recovery on trucks.



Specification	Models				
	91	291	491	691	891
Bore of cylinder [mm]	76.2	76.2	101.6	114.3	114.3
Stroke [mm]	63.5	63.5	76.2	101.6	101.6
Piston displacement [m ³ /h]					
min @ 400 RPM	6.8	13.6	29.2	49.6	96.2
max @ 825 RPM	14.1	28.0	60.3	102.3	192.0
Max working pressure [bar]	24.1	24.1	24.1	24.1	32.1
Max break horsepower [kW]	5.6	11.0	11.0	26.1	34.0
Max rod load [kg]	1632.9	1632.9	1814.4	2494.8	3175.2
Max outlet temp. [°C]			177		
Bare unit weight [kg]	68,0	95,2	176,9	337,9	408,2
Max flow – propane [m ³ /h]	11.4	48.8	48.8	82.0	157.6
ANSI/DIN – flange option	F91	F291	F491	F691	---
Bare Compressor Cat. No.	16.121*	16.122*	16.123*	16.124*	16.125*
Compressor unit	15.071	15.072	15.073	15.074	15.075

*) – add A for compressors with double sealing.

AUREX- VERTICAL COMPRESSORS



Dimensions

Compressor unit	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]
91	1080	1150	100	~830	330	400	520	-
291	1080	1220	100	~800	424	500	625	-
492	1080	1220	100	~860	424	500	625	670
691	1080	1320	100	~1100	420	500	650	770
891	1080	1727	100	~1970	410	510	686	757

Performance Charts

Model	Approximate Liquid Transfer Rates (27°C)					
	Propane		Butane		Anhydrous Ammonia	
	L/min	RPM	L/min)	RPM	L/min	RPM
91 Series	87	400	49	400	87	400
	129	590	76	590	129	590
	170	795	102	795	174	795
291 Series	167	390	98	390	170	390
	250	580	148	580	254	580
	337	780	201	780	341	780
491 Series	360	390	212	390	363	390
	534	580	329	605	537	580
	678	740	450	825	685	740
691 Series	617	400	371	420	625	400
	927	605	537	605	939	605
	1,264	820	731	820	1,279	820
D891 Series	1,711	580	984	580	1,737	580
	2,358	800	1,359	800	2,396	800