

# LPG-Series

Pumps and Compressors  
For LPG and NH<sub>3</sub> Stationary Applications



*Solutions beyond products...*

 **CORKEN**®  
**IDEX**



## A Tradition of Excellence

Corken, Inc. is recognized as a world leader in the manufacture of LPG pumps and compressors. Corken's exceptional reputation in the LPG industry is built upon decades of maintaining the highest quality and customer service standards. This, combined with an absolute dedication to product performance, makes Corken a company recognized worldwide for its manufacturing leadership.

Located in Oklahoma City, Oklahoma, USA, Corken was founded in 1924 and quickly gained a reputation for excellence in customer service. In the early 1950s, the company entered the liquid petroleum gas (LPG) industry, which proved to be a turning point. In the years to follow, Corken quickly gained market recognition for its quality line of compressors and pumps for the propane, butane and anhydrous ammonia industries.

In 1991, Corken became part of the IDEX Corporation, a manufacturer of proprietary fluid handling and industrial products that are recognized as market leaders. Through the years, a total commitment to customer service, product integrity and strong dedication to technological innovation have made Corken a recognized world leader in the compressor and pump markets.



Corken designs and manufactures products meeting industry standards, including Underwriters' Laboratories (UL), Canadian Standards Association (CSA), High Pressure Gas Safety Institute of Japan (KHK), Bureau Veritas of France, European Union's Pressure Equipment Directive (PED) and ATEX Directive for Machinery and many others. Corken is very proud to join the elite group of companies that have achieved registration with the International Quality Standard ISO 9001 and the Environmental Management Standard ISO 14001.



Today, Corken is a diversified company that serves a worldwide customer base. Corken truck pumps, stationary pumps, compressors and engineered packages are used by a wide range of companies throughout the world, including the Far East, Asia, Africa, Europe, the Middle East, South America and North America. Corken serves each of its customers through an extensive network of distributors—each sharing the same commitment to customer service that Corken has demonstrated for more than 80 years.

**QUALITY**  
**ISO 9001**  
**SYSTEM**

**ENVIRONMENTAL**  
**ISO 14001**  
**MANAGEMENT**  
**SYSTEM**

# LPG Product Overview

## Coro-Flo® Pumps

Regenerative Turbine  
Liquid Pump



### Applications:

- Propane cylinder filling
- Bottle filling
- Stand-by systems
- Asphalt plants
- Autogas pumping
- Agricultural ammonia
- LP-Gas vaporizer feed

## Coro-Vane® Pumps

Sliding Vane Positive Displacement  
Liquid Pump

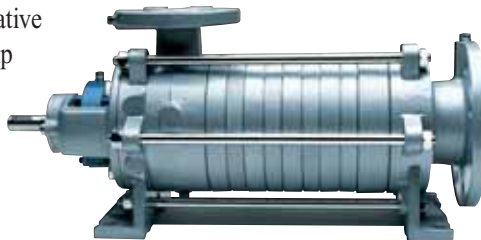


### Applications:

- Propane/butane bulk transfer
- Tank/railcar unloading
- Truck/delivery applications
- Agricultural ammonia
- Barge unloading

## Side Channel Pumps

Multistage Regenerative  
Turbine Liquid Pump



### Applications:

- Propane/butane bulk transfer
- Carousal cylinder filling
- Multi-port butane bottle filling
- Barge unloading
- Tank/railcar unloading
- Agricultural ammonia

## Gas Compressors

Single Stage, Lube/  
Non-Lube Gas Compressor



### Applications:

- Propane cylinder filling
- Bulk transfer
- Truck/barge/railcar unloading
- Liquid transfer/vapor recovery
- Tank evacuation for maintenance
- LPG/butane/ammonia
- Inert gas pad



# Vertical LPG Compressors Stationary Applications

## Why select a compressor to transfer LPG and NH<sub>3</sub>?

Compressors are extremely versatile for they can be used to transfer liquids between tanks, off-load/load-out liquids, recover residual vapor, and evacuate vapors for maintenance purposes. Many LPG piping systems do not provide ideal NPSH conditions for liquid pumps which causes excessive pump maintenance. Since compressors are only exposed to vapors, they are not affected by poor NPSH conditions. Many LPG pressurized tanks such as railcars and buried tanks have top unloading connections. A compressor can be the perfect solution for transferring liquids to and from such tanks.

## Why select a Corken compressor?

Corken has over 60 years of experience in providing state-of-the-art designs to the LPG and NH<sub>3</sub> markets. Corken designs meet the most stringent global quality standards, including those of Japan, Germany and the United States. Environmental impact and safety are always considered very seriously at Corken. It is Corken's commitment to provide its customers with products of the greatest integrity, providing years of trouble-free service.

## Compressors matched to your needs...

Corken provides oil-free and non-lubricated vertical and horizontal compressor designs. Compressors are available in both threaded and ANSI flanged connections. Depending on the application, single- and two-stage compressors are available.

## For applications of all types...

Corken gas compressors are designed for use in liquid transfer, vapor recovery, scavenger and portable applications. Whether it is gas recovery from cylinders or barge unloading, Corken has a compressor for your application.

<sup>1</sup> Teflon® is a registered trademark of the DuPont company.

**Threaded and ANSI flanges:**  
Compressors are available in either threaded NPT, ANSI, or DIN flanged connections.

**High-efficiency valves:**  
Corken valves offer quiet operation and high durability in oil-free gas applications. Specially designed suction valves which tolerate small amounts of condensate are available.

**O-ring head gaskets:**  
Easy to install O-ring head gaskets providing highly reliable seals.

**Ductile-iron construction:**  
All cylinders and heads are ductile iron for maximum thermal shock endurance.

**Self-lubricating Teflon®<sup>1</sup> piston rings:**  
Corken provides a variety of state-of-the-art piston ring designs to provide the most cost-effective operation of compressors for non-lube service. The step-cut design provides higher efficiencies during the entire life of the piston ring.

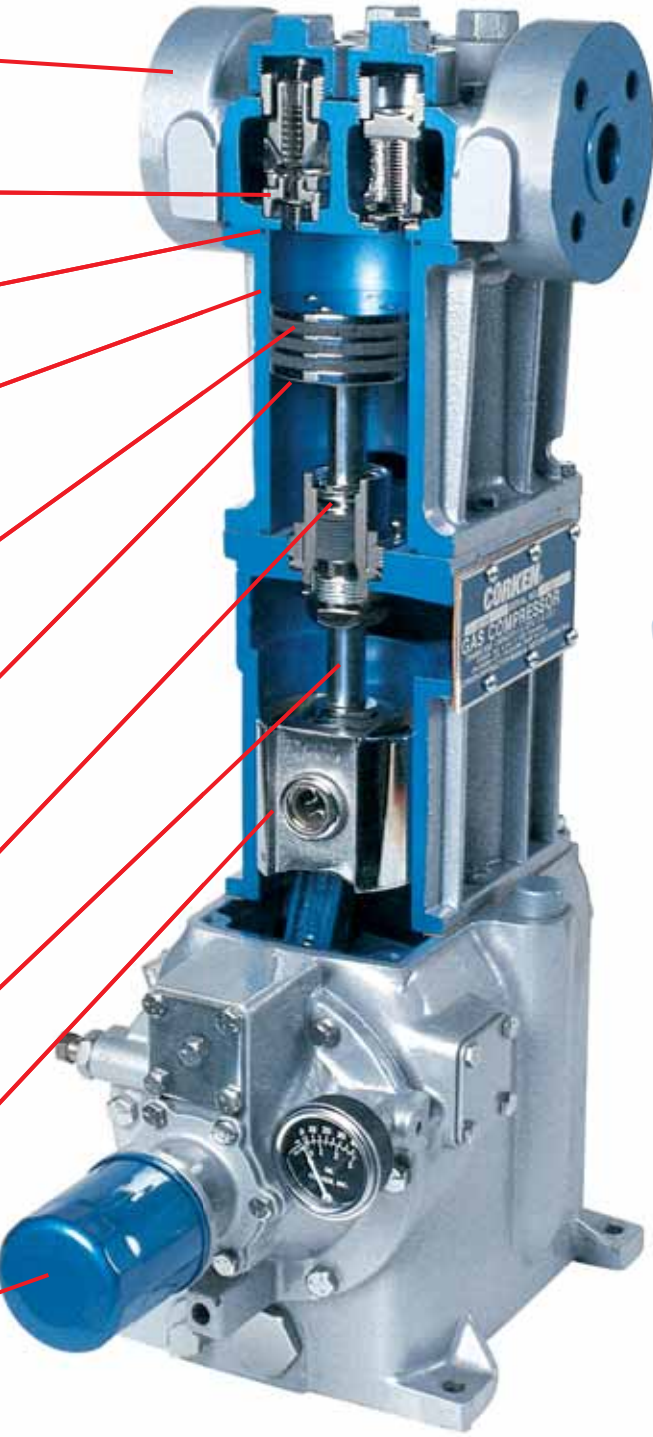
**Positively locked piston:**  
Simple piston design allows end clearance to be precisely set to provide maximum efficiency and long life.

**Self-lubricating piston rod seals:**  
Seals constructed of Teflon®<sup>1</sup> incorporating special fillers to ensure no oil carry over and maximize leakage control. Spring loaded seal design self adjusts to compensate for normal wear.

**Nitride-coated piston rods:**  
Impregnated nitride coating provides superior corrosion and wear resistance.

**Cast-iron crosshead:**  
Durable cast-iron crossheads provide superior resistance to corrosion and galling.

**Pressure-lubricated crankcase with filter:**  
Self-reversing oil pump ensures proper lubrication regardless of directional rotation to main and connecting rod bearings. Standard 10-micron filter ensures long-lasting bearing life (not available on Model 91).



Model F291



Model 491



Model D891

# Cylinder Evacuation, Bulk Transfer and Recovery

## Custom-engineered packages...

Corken supplies custom-engineered packages to meet the most demanding customer specifications. Skid-mounted units can be supplied with control panels, safety controls, pulsation dampeners, specialized traps, valving and other special accessories as required. Corken offers standard mountings designed specifically for liquid transfer, vapor recovery, and gas scavenging applications.

## Serviceability...

Corken compressors are designed to minimize required maintenance and make such maintenance extremely simple. Maintenance operations such as valve replacement may be accomplished without disturbing the piping, while ring replacement may be accomplished simply by removing the head.

## King of versatility...

Corken compressors are designed for use with maximum versatility. The same compressor installed for one application can easily be piped to be utilized for other plant applications. For example, a rail car-unloading compressor can also be utilized to load and unload trucks.

## Sized for your capacity needs...

Corken offers four sizes of vertical, oil-free, single-stage compressors (Models 91, 291, 491 & 691). These compressors cover a full range of capacities from 24 to 361 gpm (5.5 to 82 m<sup>3</sup>/hr) in liquid transfer.

## For even greater capacity...

Corken Model D891 is a double-acting single-stage vertical gas compressor capable of capacities from 337 to 757 gpm (76.5 to 171.9 m<sup>3</sup>/hr).





# Horizontal LPG Compressors Stationary Applications

## For high-volume transfer...

Corken's horizontal single-stage compressor is perfect for the terminal requiring transfer of large volumes of LPG (i.e., barge, multiple rail car, etc.). This heavy-duty, balanced-opposed gas compressor offers smooth, quiet operation.

The compressor is offered with various sizes of cylinders. Corken currently offers 8" (203.2 mm), 6" (152.4 mm), 5" (127.0 mm), 4" (101.6 mm), 3-1/4" (82.6 mm), and 2-3/4" (69.9 mm) cylinders. These cylinders may be arranged in various combinations of single-, two-, three-, or four- stages. The horizontal compressors are offered in lubricated and non-lubricated designs. Although these compressors are not classified as oil-free, the potential for oil carry-over is minimized.

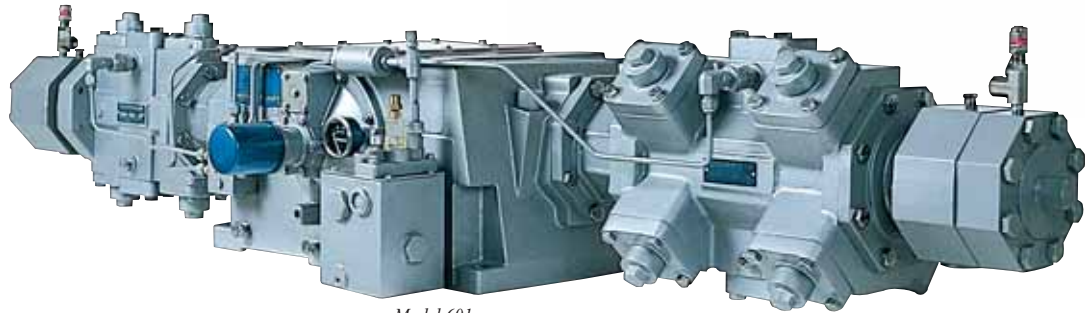
## For stringent environmental requirements...

In response to increasingly stringent environmental requirements to reduce emissions of volatile organic compounds and other hazardous gases, Corken offers a purge-pak piston-rod-sealing system for the HG601 series horizontal compressors.

While precise leakage rates cannot be guaranteed due to the many complex factors which affect leakage, the purge-pak and rod-sealing system substantially reduces potential leakage compared to conventional segmented piston-rod seal configurations. Tests have shown that in many cases, leakage can be reduced below 1 scfh (0.027 m<sup>3</sup>/hr).

## Water-cooled cylinders...

To increase the versatility of the horizontal compressor, Corken offers water-cooled cylinders in the 8" (203.2 mm), 6" 152.4 mm), 4" (101.6 mm) and 3-1/4" (82.6 mm) bore sizes. Water-cooled cylinders greatly reduce the operating temperature which increases the valve, piston ring, and seal life in the most difficult applications.



Model 601

<sup>1</sup> Teflon® is a registered trademark of the DuPont company.

# Tanker and Multiple Railcar Unloading and Recovery

## Available Options

### Blank valve...

In addition to the flexibility of reconfiguring the stages and number of cylinders, the capacity may be controlled through the blank valve option, which changes the cylinder to single acting.

### Variable clearance heads...

This option on all cylinder sizes allows for pressure and capacity adjustment while the compressor is operating.

### External crankcase oil cooler...

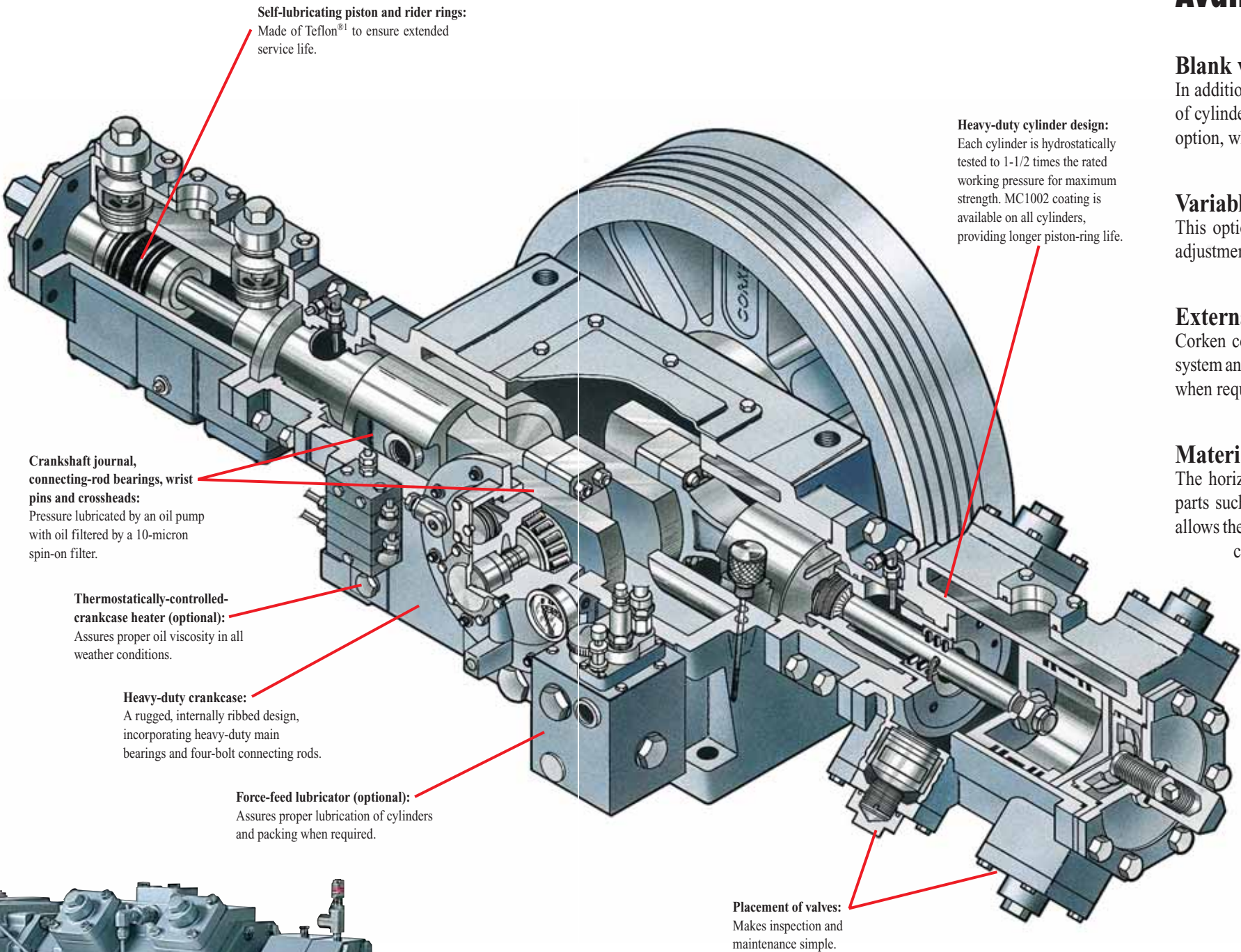
Corken compressors can be equipped with a force-feed lubrication system and external oil filter. An optional external oil cooler is available when required to ensure optimal service life.

### Materials...

The horizontal compressor line offers many optional materials for parts such as gaskets, piston rings, o-rings, pistons and more. This allows the compressor to be used with a variety of gases. The MC1002 corrosion-resistant coating is also available for all parts that come in contact with the gas.

### Engineered packages...

Custom-engineered skid-mounted units can be supplied with control panels, wiring, pulsation dampeners, receiver tanks and other special accessories as required.

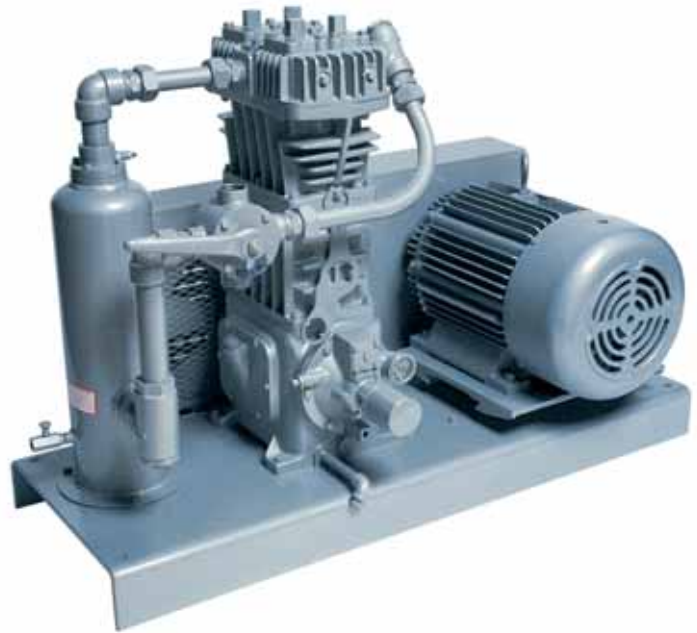




# Liquid Gas Transfer Compressor Applications

## Bulk application...

The “107” bulk plant gas compressor unit is complete with pressure gauges, steel baseplate, mechanical liquid trap, four-way valve, strainer, interconnecting piping, adjustable driver-slide-base, v-belt drive and beltguard ready to receive an electric motor. This standard unit is typically used for liquid transfer and vapor recovery in applications including rail car and truck loading and unloading. Many options such as ASME liquid traps with Class 1, Group D switches and total engineered packages can be provided.



## Large terminal and barge applications...

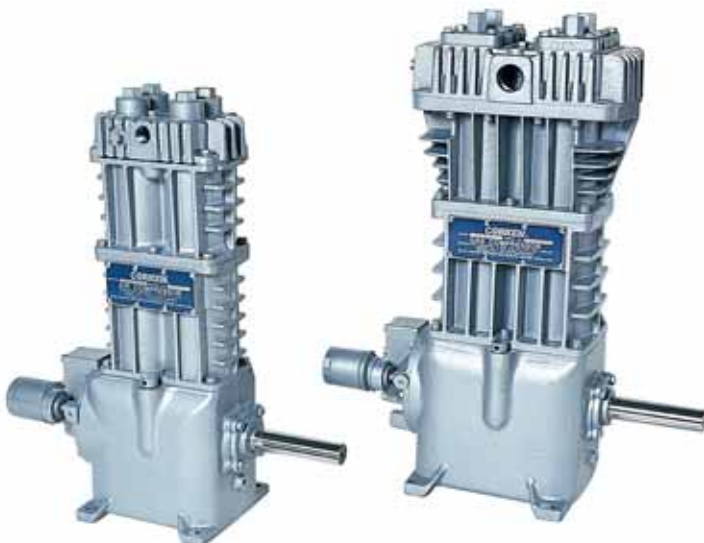
The D891 and HG601 series compressors are for high-volume transfer applications with flow capacities from 337 to 1552 gpm (76.5 to 352.5 m<sup>3</sup>/hr). These compressors are available in standard mounting configurations and also in special-engineered packages which include safety shutdowns and controls as required.

## Scavenger applications...

Corken has a variety of standard scavenger packages available, depending on the customer's requirements. For maintenance purposes, scavengers can be sized for small-cylinder to large-tank evacuation systems. Corken will assist in custom engineering your scavenger systems for your specific application.

## Truck compressor applications...

The “102” compressor comes complete with extended crankshaft for utilization on trucks with PTO and hydraulic drive systems. The compressor can be used for loading/unloading as well as vapor recovery on trucks.



# Compressor Specifications & Performance

Specifications	Model						
	91	291	491	691	891 (a)	HG601BB (b)(e)	HG601AA (b)(e)
Bore of cylinder inches (mm)	3.0 (76.2)	3.0 (76.2)	4.0 (101.6)	4.5 (114.3)	4.5 (113)	6 (152)	8 (203)
Stroke: inches (mm)	2.5 (63.5)	2.5 (63.5)	3.0 (76.2)	4.0 (101.6)	4.0 (101.6)	3 (76.2)	3 (76.2)
Piston displacement CFM (m <sup>3</sup> /hr) minimum @ 400 RPM maximum @ 825 RPM maximum @ 1,200 RPM	4.0 (6.8) 8.3 (14.1) -	8.0 (13.6) 16.5 (28.0) -	17.2 (29.2) 35.5 (60.3) -	29.2 (49.6) 60.2 (102.3) -	56.6 (96.2) 113.2 (192.0) -	76.8 (130.5) 230.5 (391.9) -	138 (234.5) 413.8 (703.5) -
Maximum working pressure: psig (bar)	350 (24.1)	350 (24.1)	350 (24.1)	350 (24.1)	465 (32.1)	365 (25.2)	315 (21.7)
Maximum brake horsepower (kW)	7.5 (5.6)	15 (11)	15 (11)	35 (26.1)	45 (34)	75 (55.9)	75 (55.9)
Maximum rod load lb (kg)	3,600 (1,632.9)	3,600 (1,632.9)	4,000 (1,814.4)	5,500 (2,494.8)	7,000 (3,175.2)	7,000 (3,175.2)	7,000 (3,175.2)
Maximum outlet temperature °F (°C)	350 (177)						
Bare unit weight lb (kg)	115 (52.2)	160 (72.6)	260 (117.9)	625 (283.5)	855 (387.8)	828 (375.6)	868 (393.7)
Maximum flow-propane gpm (m <sup>3</sup> /hr)	50 (11.4) (c)	101 (22.9) (c)	215 (48.8) (c)	361 (82.0) (c)	694 (157.6) (c)	1,305 (296.4) (e)	1,725 (391.8) (f)
ANSI/DIN flange option	F91	F291	F491	F691	(d)	(d)	(d)

(a) Double-acting vertical compressor

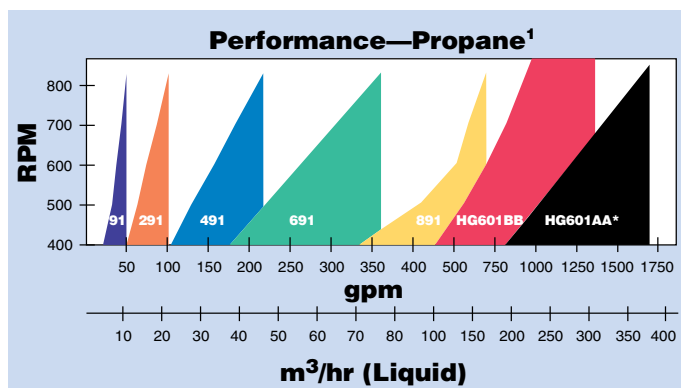
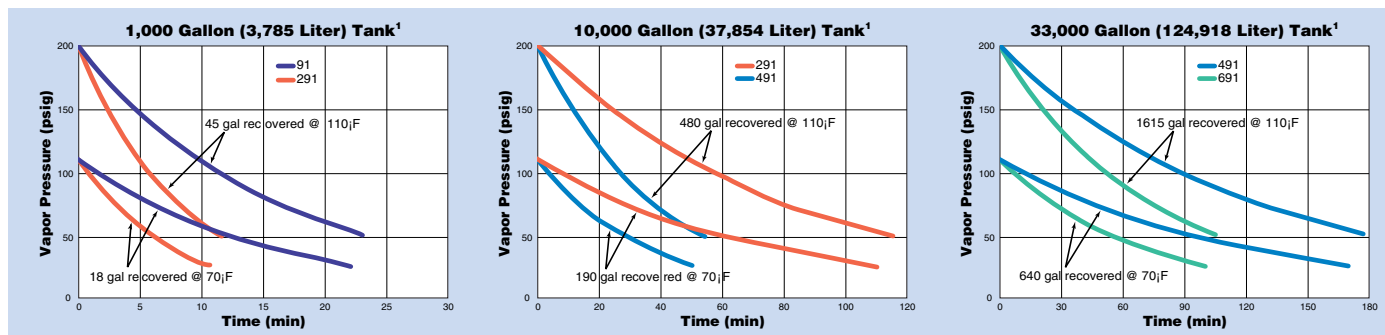
(b) Double-acting horizontal compressor

(c) Maximum flow is based on 825 RPM or maximum hp, 30 psid. Capacities shown are based on 100 °F (37.8 °C) and will vary depending upon piping, fittings, product being transferred, and temperature. The factory will supply a detailed compressor analysis if required.

(d) Not available

(e) Maximum rating at 1,200 RPM

(f) Maximum is based on hp limit and 845 RPM



<sup>1</sup> Capacities shown are based on 100 °F (37.8 °C) and will vary depending upon piping, fittings, product being transferred, and temperature. The factory will supply a detailed compressor analysis if required.

\* Maximum 75 hp is reached at 845 RPM

Solutions beyond products...  


# Propane Compressor Selection Table

Service	Capacity gpm(1)	Displacement cfm	Compressor		Driver Sheave Size P.D."(2)		Driver Horsepower				Piping Size (3)	
							Liquid Transfer and Residual Vapor Recovery		Liquid Transfer without Residual Vapor Recovery			
			Model	RPM	1,750 RPM	1,450 RPM	100°F	80°F	100°F	80°F	Vapor	Liquid
Small bulk plants	23	4	91	400	A 3.0	A 3.6	5	3	3	3	3/4	1-1/4
	29	5	91	505	A 3.8	B 4.6	5	5	5	5	3/4	1-1/4
	34	6	91	590	B 4.6	B 5.6	5	5	5	5	1	1-1/4
	40	7	91	695	B 5.4	B 6.6	5	5	5	5	1	1-1/2
	39	7	290,291	345	A 3.0	A 3.6	3	3	3	3	1	1-1/2
Unloading single tank car or transport	45	8	91	795	B 6.2	B 7.4	7-1/2	7-1/2	7-1/2	7-1/2	1	1-1/2
	44	8	290,291	390	A 3.4	B 4.0	5	3	3	3	1	1-1/2
	50	9	290,291	435	A 3.8	B 4.6	5	5	3	3	1	1-1/2
	56	10	290,291	490	B 4.4	B 5.2	5	5	5	5	1	2
	61	11	290,291	535	B 4.8	B 5.8	5	5	5	5	1	2
	66	12	290,291	580	B 5.2	B 6.2	7-1/2	5	5	5	1	2
	71	13	290,291	625	B 5.6	B 6.6	7-1/2	5	7-1/2	5	1-1/4	2
	79	14	290,291	695	B 6.2	B 7.4	7-1/2	7-1/2	7-1/2	7-1/2	1-1/4	2
	84	15	290,291	735	B 6.6	B 8.0	10	7-1/2	10	7-1/2	1-1/4	2-1/2
	84	15	490,491	345	A 3.0	A 3.6	7-1/2	7-1/2	5	5	1-1/4	2-1/2
	89	16	290,291	780	B 7.0	B 8.6	10	10	10	10	1-1/4	2-1/2
	89	16	490,491	370	A 3.2	A 3.8	7-1/2	7-1/2	7-1/2	5	1-1/4	2-1/2
Unloading two or more tank cars at one time or large transport with excess flow valves of adequate capacity	95	17	490,491	390	A 3.4	B 4.0	7-1/2	7-1/2	7-1/2	7-1/2	1-1/4	3
	101	18	490,491	415	A 3.6	B 4.4	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	106	19	490,491	435	A 3.8	B 4.6	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	108	20	490,491	445	B 4.0	B 4.8	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	114	21	490,491	470	B 4.2	B 5.0	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	119	22	490,491	490	B 4.4	B 5.2	10	10	7-1/2	7-1/2	1-1/4	3
	125	23	490,491	515	B 4.6	B 5.6	10	10	10	7-1/2	1-1/4	3
	130	24	490,491	535	B 4.8	B 5.8	15	10	10	10	1-1/4	3
	136	25	490,491	560	B 5.0	B 6.0	15	10	10	10	1-1/4	3
	141	26	490,491	580	B 5.2	B 6.2	15	10	10	10	1-1/4	3
	147	27	490,491	605	B 5.4	B 6.4	15	10	15	10	1-1/4	3
	152	28	490,491	625	B 5.6	B 6.6	15	15	15	15	1-1/2	3
	158	29	490,491	650	B 5.8	B 7.0	15	15	15	15	1-1/2	3
	163	30	490,491	670	B 6.0		15	15	15	15	1-1/2	3
	163	30	690,691	400	B 4.4	B 5.2	15	15	10	10	1-1/2	3
	168	31	490,491	695	B 6.2	B 7.4	15	15	15	15	1-1/2	3
	171	31	690,691	420	B 4.6	B 5.6	15	15	10	10	1-1/2	3
	179	32	490,491	740	B 6.6	B 8.0	15	15	15	15	1-1/2	3
	178	32	690,691	440	B 4.8	B 5.8	15	15	10	10	1-1/2	3
	186	34	690,691	455	B 5.0	B 6.0	15	15	15	10	1-1/2	3
193	35	690,691	475	B 5.2	B 6.2	15	15	15	10	1-1/2	3	
200	36	690,691	495	B 5.4	B 6.4	15	15	15	15	1-1/2	3	
Unloading large tank cars, multiple vessels, barges or terminals	208	38	690,691	510	B 5.6	B 6.8	20	15	15	15	1-1/2	4
	215	39	690,691	530	B 5.8	B 7.0	20	15	15	15	1-1/2	4
	223	41	690,691	550	B 6.0	A 7.0	20	15	15	15	1-1/2	4
	230	42	690,691	565	B 6.2	B 7.4	20	15	15	15	2	4
	237	43	690,691	585	B 6.4	A 7.4	20	15	15	15	2	4
	245	45	690,691	605	B 6.6	B 8.0	20	15	15	15	2	4
	252	46	690,691	620	B 6.8		20	20	15	15	2	4
	260	47	690,691	640	B 7.0	A 8.2	20	20	20	15	2	4
	275	48	690,691	675	B 7.4	B 8.6	25	20	20	20	2	4
	297	54	690,691	730	B 8.0	B 9.4	25	20	20	20	2	4
	319	58	690,691	785	B 8.6		25	20	25	20	2	4
	334	60	690,691	820	TB 9.0	A 10.6	30	25	25	20	2	4
	452	82	D891	580	5V 7.1	5V 8.5	30	30	30	30	3	6
	623	113	D891	800	5V 9.75	5V 11.8		40	40	30	3	6

Notes:

(1) The capacities shown are based on 70°F, but will vary depending upon piping, fittings used, product being transferred and temperature. The factory can supply a detailed computer analysis if required.

(2) Driver sheaves: 91 - 2 belts; 290,291,490,491 - 3 belts; 690,691 - 4 belts.

(3) The piping sizes shown are considered minimum. If the length exceeds 100 ft, use the next larger size.

Consult factory for compressors with higher flows.



# Ammonia Compressor Selection Table

Service	Capacity gpm(1)	Displacement cfm	Compressor		Driver Sheave Size P.D."(2)		Driver Horsepower				Piping Size (3)	
							Liquid Transfer and Residual Vapor Recovery		Liquid Transfer Without Residual Vapor Recovery			
			Model	RPM	1,750 RPM	1,450 RPM	100°F	80°F	100°F	80°F	Vapor	Liquid
Small bulk plants	23	4	91	400	A 3.0	A 3.6	5	3	3	3	3/4	1-1/4
	29	5	91	505	A 3.8	B 4.6	5	5	5	3	3/4	1-1/4
	34	6	91	590	B 4.6	B 5.6	5	5	5	5	1	1-1/4
	40	7	91	695	B 5.4	B 6.6	5	5	5	5	1	1-1/2
	43	7	290,291	345	A 3.0	A 3.6	5	3	3	3	1	1-1/2
Unloading single tank car or transport	46	8	91	795	B 6.2	B 7.4	7-1/2	5	5	5	1	1-1/2
	45	8	290,291	390	A 3.4	B 4.0	5	3	3	3	1	1-1/2
	50	9	290,291	435	A 3.8	B 4.6	5	5	3	3	1	1-1/2
	56	10	290,291	490	B 4.4	B 5.2	5	5	5	3	1	2
	62	11	290,291	535	B 4.8	B 5.8	7-1/2	5	5	5	1	2
	67	12	290,291	580	B 5.2	B 6.2	7-1/2	5	5	5	1	2
	72	13	290,291	625	B 5.6	B 6.6	7-1/2	5	5	5	1-1/4	2
	80	14	290,291	695	B 6.2	B 7.4	7-1/2	7-1/2	7-1/2	5	1-1/4	2
	85	15	290,291	735	B 6.6	B 8.0	10	7-1/2	7-1/2	7-1/2	1-1/4	2-1/2
	85	15	490,491	345	A 3.0	A 3.6	7-1/2	7-1/2	5	5	1-1/4	2-1/2
	90	16	290,291	780	B 7.0	B 8.6	10	7-1/2	7-1/2	7-1/2	1-1/4	2-1/2
	90	16	490,491	370	A 3.2	A 3.8	10	7-1/2	5	5	1-1/4	2-1/2
Unloading two or more tank cars at one time or large transport with excess flow valves of adequate capacity	96	17	490,491	390	A 3.4	B 4.0	10	7-1/2	5	5	1-1/4	3
	102	18	490,491	415	A 3.6	B 4.4	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	107	19	490,491	435	A 3.8	B 4.6	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	110	20	490,491	445	B 4.0	B 4.8	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	115	21	490,491	470	B 4.2	B 5.0	10	7-1/2	7-1/2	7-1/2	1-1/4	3
	120	22	490,491	490	B 4.4	B 5.2	15	10	7-1/2	7-1/2	1-1/4	3
	126	23	490,491	515	B 4.6	B 5.6	15	10	7-1/2	7-1/2	1-1/4	3
	131	24	490,491	535	B 4.8	B 5.8	15	10	10	7-1/2	1-1/4	3
	138	25	490,491	560	B 5.0	B 6.0	15	10	10	7-1/2	1-1/4	3
	142	26	490,491	580	B 5.2	B 6.2	15	10	10	7-1/2	1-1/4	3
	148	27	490,491	605	B 5.4	B 6.4	15	10	10	10	1-1/4	3
	153	28	490,491	625	B 5.6	B 6.6	15	10	10	10	1-1/2	3
	160	29	490,491	650	B 5.8	B 7.0	15	15	10	10	1-1/2	3
	165	30	490,491	670	B 6.0		15	15	15	10	1-1/2	3
	165	30	690,691	400	B 4.4	B 5.2	15	15	10	10	1-1/2	3
	170	31	490,491	695	B 6.2	B 7.4	15	15	15	10	1-1/2	3
	173	31	690,691	420	B 4.6	B 5.6	15	15	10	10	1-1/2	3
	181	32	490,491	740	B 6.6	B 8.0	15	15	15	15	1-1/2	3
	180	32	690,691	440	B 4.8	B 5.8	15	15	10	10	1-1/2	3
	188	34	690,691	455	B 5.0	B 6.0	20	15	10	10	1-1/2	3
	195	35	690,691	475	B 5.2	B 6.2	20	15	10	10	1-1/2	3
	203	36	690,691	495	B 5.4	B 6.4	20	15	15	10	1-1/2	3
Unloading large tank cars, multiple vessels, barges or terminals	211	38	690,691	510	B 5.6	B 6.8	20	15	15	10	1-1/2	4
	218	39	690,691	530	B 5.8	B 7.0	20	15	15	15	1-1/2	4
	226	41	690,691	550	B 6.0	A 7.0	20	15	15	15	1-1/2	4
	233	42	690,691	565	B 6.2	B 7.4	20	15	15	15	2	4
	240	43	690,691	585	B 6.4	A 7.4	20	20	15	15	2	4
	248	45	690,691	605	B 6.6	B 8.0	20	20	15	15	2	4
	255	45	690,691	620	B 6.8		25	20	15	15	2	4
	263	47	690,691	640	B 7.0	A 8.2	25	20	15	15	2	4
	278	48	690,691	675	B 7.4	B 8.6	25	20	15	15	2	4
	301	54	690,691	730	B 8.0	B 9.4	25	20	20	15	2	4
	323	58	690,691	785	B 8.6		30	25	20	20	2	4
	338	60	690,691	820	TB 9.0	A 10.6	30	25	20	20	2	4
	459	82	D891	580	5V 7.1	5V 8.5	40	30	30	30	3	6
	633	113	D891	800	5V 9.75	5V 11.8		40	40	30	3	6

Notes:

(1) The capacities shown are based on 70°F, but will vary depending upon piping, fittings used, product being transferred and temperature. The factory can supply a detailed computer analysis if required.

(2) Driver sheaves: 91 - 2 belts; 290,291,490,491 - 3 belts; 690,691 - 4 belts.

(3) The piping sizes shown are considered minimum. If the length exceeds 100 ft, use the next larger size.

Consult factory for compressors with higher flows.



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