



SinoCleansky
Gas Container & Solution

Diaphragm Compressor

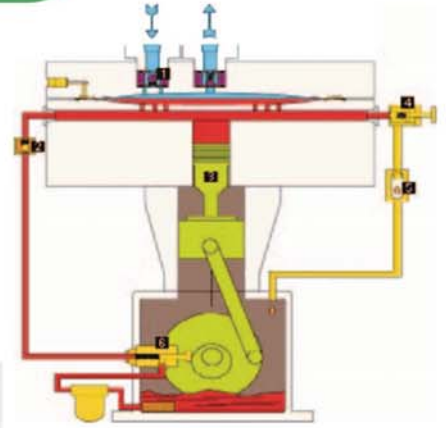
Working Principle:

The diaphragm compressor is a special type of positive displacement compressor. It uses a diaphragm to separate the compressed medium from the oil.

Due to its special structure, the compressed medium does not contact any lubricant

The cylinder does not need lubrication, and the sealing performance. It is suitable for compressing and conveying high purity gas, rare gas, corrosive gas, and radioactive, toxic, and explosive gas.

The compressor is made up of the following main assemblies: crankcase, crankshaft and connection rods, cylinder body, movement transmission parts, gas and oil waterway system and some other accessories.

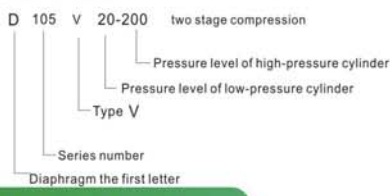


Product Features

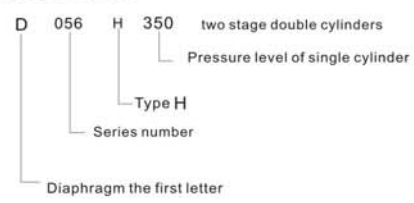
- High compression efficiency optimal design of membrane convex curve.
- Good sealing performance compressed medium high purity medium sealed under static condition, media completely separated.
- Large compression ratio large area of compression cavity.
- Reliable, life high, safety install high efficiency oil filter use of pressure oil replenishment and reliable alarm system.
- Energy saving good cooling conditions complete cooling after compression.
- Easy to maintain and operate using unmatched pan structure and advanced hydraulic valve.

Product Model Description

Example 1: D105V20-200



Example 2: D056H350



Product Application

- Plateau oxygen Hydrogen energy field Hospital Food medicine Material industry Electronic industry
- Petrochemical engineering High purity gases Special odor recovery Science experiment and so on





Typical model

Application series in the field of hydrogen energy: external hydrogen supply diaphragm compressor

Product Series	Model	Capacity Exhaust volume	Suction pressure MPA	Discharge pressure MPA	Speed rpm	Power	Cooling water Flow-ratem ³ /h	Overall Dimension (LXWXH)mm	Weight ton
22MPa (Filling using)	D130L70-220	65-170	0.7-1.7	22.0	400	<37	≤3.0	2600×1500×1900	4.5
	D2116H70-220	350-10000	0.7-1.9	22.0	363	<185	≤16.0	4370×4200×2100	25.0
35MPa (Outside for hydrogen)	D105Z450	25-150	5.0-20.0	45.0	430	<15	≤1.2	1700×1200×1500	1.4
	D2116H450	500-3100	5.0-20.0	45.0	363	<220	≤18.0	4400×4200×2100	26.0
35MPa(Integrity of hydrogen)	D130L120-450	60-100	1.0-1.5	45.0	400	<37	≤3.0	2600×1500×1900	4.5
	D2116H90-450	380-620	1.0-1.5	45.0	363	<185	≤16.0	4370×4200×2100	25.5
70MPa (Outside for hydrogen)	D130Z1000	25-220	10.0-40.0	100.0	430	<22	≤1.8	2100×1500×1900	3.5
	D2116H1000	280-2000	10.0-40.0	100.0	363	<220	≤18.0	4400×4200×2100	27.0

General field application product series:

Product Series	Model	Capacity Exhaust volume	Suction pressure MPA	Discharge pressure MPA	Speed rpm	Power	Cooling water Flow-ratem ³ /h	Overall Dimension (LXWXH)mm	Weight ton
D044L	D044L25-100	1.0-4.0	0.05-0.5	10.0	430	1.5	≤0.1	850x540x900	0.38
D044Z	D044Z120	1.5-16	1-10	12.0	400	1.1-1.5	≤0.1	850x540x900	0.3
D056H	D056H80-350	8-25	0.3-1	35.0	500	11-15	≤0.8	1600x1100x1200	1.0
D060Z	D060Z10	3-40	0-0.8	1.0	430	1.1-2.2	≤0.2	850x540x1000	0.4
D060L	D060L40-160	4-7	0.4-0.8	16.0	400	3-4	≤0.3	1050x560x1100	0.5
D070L	D070L30-160	3.5-8	0.14-0.4	16.0	400	3-4	≤0.3	1050x560x1200	0.55
D070Z	D070Z100	6-60	1-8	10.0	400	1.5-3	≤0.2	850x540x1000	0.47
D070W	D070W10-80-350	0-0.1	4-8	35.0	400	5.5	≤0.4	1350x880x1350	0.83
D095V	D095V20-120	6.5-18	0-0.2	12.0	400	5.5-7.5	≤0.55	1600x950x1300	0.95
D095Z	D095Z200	12-120	2-16	20.0	400	4-5.5	≤0.4	1300x770x1300	0.75
D105V	D105V15-160	20-23	0-0.02	16.0	400	15-18.5	≤1.4	1900x1240x1500	1.6
D105L	D105L20-160	12-25	0-0.12	16.0	400	11-15	≤1.2	1900x1240x1500	1.6
D105Z	D105Z350	18-300	3-30	35.0	400	7.5-11	≤0.8	1700x1200x1500	1.4
D130H	D130H10	90-180	0-0.1	1.0	360	22-37	≤3.2	3000x2000x1500	5.0
2D130H	2D130H20-60	60-320	0-0.45	6.0	360	55	≤4.5	3500x2200x1900	8.0
D130L	D130L20-200	28-56	0-0.1	20.0	400	18.5-22	≤1.8	2240x1490x1850	4.0
D130V	D130V20	56-1200	0-1.5	1.0-2.0	400	22-37	≤3.2	2600x1630x1850	4.0
D130Z	D130Z160	46-650	1.2-14	16.0	400	15-18.5	≤1.4	1800x1290x1900	2.6
D150L	D150L15	120-154	-0.02-0.006	0.3-0.5	360	30-37	≤2.5	3200x2000x2550	7.5
D150Z	D150Z800	90-500	10.0-40.0	80.0	360	22-37	≤3.2	2600x1630x2550	6.0
D165L	D165L50-200	90-300	0.3-1.0	20.0	360	37-75	≤6.0	3500x2300x2550	9.0
D165H	D165H60-160	200-380	1.0-2.0	16.0	360	37-75	≤6.0	3800x2300x1700	9.0
D180H	D188H80-450	200-300	1.0-1.5	45.0	360	90	≤7.0	4200x4000x1900	14.2
2D180H	2D1812H35-250	220-600	0.1-0.4	22.0	363	185	≤16.0	6090x4236x2200	25.0
D210H	D2116H70-450	380-620	1.0-1.5	45.0	363	< 185	≤16.0	4370x4200x2100	25.0

Shipment

