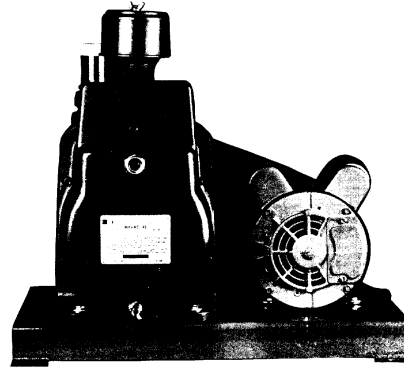
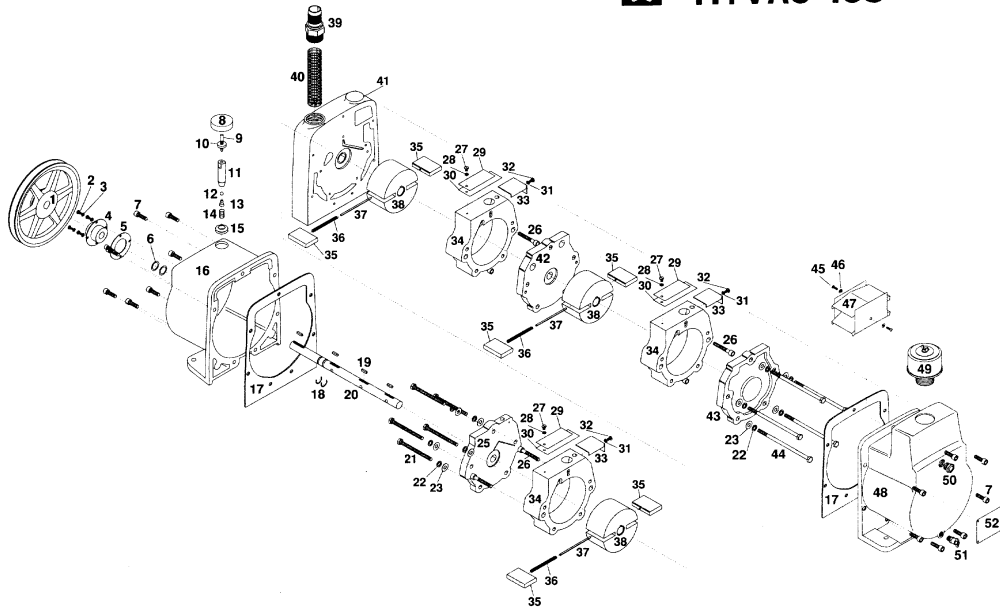


4. HyVAC 45s Vacuum Pump

Number of Stages		1
Frec-Air Displacement,		
	(L/M)	500
	(CFM)	17.7
Pressure	(MIL)	5×10^{-3} Torr
Pump Speed	(RPM)	550
Motor	(HP)	1 1/2
Weight	(LBS)	160
Oil Capacity	(QTS)	4 1/2 QTS.



 **HyVAC 45s**



HyVAC 45s Single Stage Vacuum Pump Options

Catalog #	HyVAC 45s
91144-025	Unmounted No Motor or Base
91144-001	Pump 1 1/2HP - Open Motor - 115/230V, 60HZ
91144-007	Pump 1 1/2HP - Open Motor - 220V, 50HZ
91144-010	Pump 1 1/2HP - Explosion Proof Motor - 115/230V,60HZ
91144-018	Pump 1 1/2HP - Open Motor 3 Phase - 230/460V, 60HZ
91144-023	Unmounted on Base without Motor

HYVAC 45s PARTS LIST

ITEM	DESCRIPTION	PART NUMBER	PARTS IN REPAIR KIT	QUANTITY
1	Pump Pulley	P29273		1
2	Shaft Seal Screws	P110016		4
3	Shaft Seal Lock Washer	P110040		4
4	Shaft Seal	P36379	***	1
5	Shaft Seal Gasket	P36381	***	1
6	Thrust Washer	P78033	***	2
7	Bolts Seal/Drain Housing	P110027		14
8	Gas Ballast Valve Knob	P26139		1
9	Gas Ballast Valve Stem	P63580		1
10	Gas Ballast Knurl Nut	P76534		1
11	Gas Ballast Valve Body	P63579		1
12	Gas Ballast Relief Ball	P29001		1
13	Gas Ballast Spring	P28073		1
14	Gas Ballast Nipple	P67416-1		1
15	Gas Ballast Grommet	P27120		1
16	Seal Housing	P61150		1
17	Housing Gaskets (set of two)	91310-014	***	1
18	Truarc Ring	P29187	***	2
19	Shaft Key	P29313		4
20	Shaft	P61381	***	1
21	End Plate Bolt Exhaust	P110061		5
22	End Plate Spring Washer	P110047		10
23	End Plate Washer	P110046		10
24				
25	Exhaust End Plate	P60767		1
26	Stator Long	P110028		2
27	Flutter Valve Screw	P110023		3
28	Flutter Valve Washer	P110042		3
29	Flutter Valve Long Exh.	P65532	***	3
30	Flutter Valve Short Exh.	P66349	***	3
31	Washer	P110042	***	1
32	Screw	P110023		1
33	Exhaust Valve Limiter	P61018		3
34	Intake/Exhaust Stator	P61351		3
35	Vane	P60765	***	6
36	Vane Spring	P28064	***	3
37	Vane Spring Pin	P63499	***	3
38	Rotor	P60766		3
39	Hose Nipple	P63765		1
40	Intake Screen	P29513		1
41	Center Plate	P61379		1
42	Intermediate Plate	P61380		1
43	Intake End Plate	P61354		1
44	Intake End Plate Bolts	P110069		5
45	Exhaust Baffle Screws	P110070		2
46	Exhaust Baffle Washer	P110043		2

HYVAC 45s PARTS LIST Cont..

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>PARTS IN REPAIR KIT</u>	<u>QUANTITY</u>
47	Exhaust Baffle	P61118-1		1
48	Drain Housing	P61118		1
49	Exhaust Dome	P35617		1
50	Oil Sight Glass	P36052		1
51	Drain Cock	P13116		1
52	Name Plate	P25348		1

Parts Not Pictured

54	Mounting Panel	P65496-1		1
55	Mounting Panel Bolts	P110053		2
56	Mntg Panel Lock Washers	P110045		2
57	V Belt	91132-014		1
58	Pump Base	P61154		1
59	Pump Bolts	P110093		4
60	Pump Washers	P110046		4
61	Pump Lock Washers	P110047		4
62	Pump Nuts	P110051		4
63	Beltguard	P77391		1
64	Motor	P24198 (variable)		1
65	Motor Pulley	P29671		1
66	Motor Bolts	P110032		4
67	Motor Washers	P110046		4
68	Motor Lock Washers	P110047		4
69	Motor Nuts	P110051		4