Chemvac Combination Pump Systems, Welch Vacuum

webcode WW2MB003

WELCH by Gardner Denver

Combined Pumping Units
Chemvac Combination Pump Systems, ultimate pressure to 2×10^{-3} mbar
The term „combination pump systems“ has become established at user level for the combination of rotary van pump and diaphragm pump. Combination pump systems are particularly suitable for evacuation jobs in chemical applications with high condensate loads.

For the fine vacuum range in special applications, e.g.:
- for aggressive gases and vapors
- for evacuation of solvent recovery vapor
- for pumping of vapors which are soluable in oil

The Chemvac Combination Pump Systems are used for producing fine vacuum. They are corrosion optimized combinations of a two stage rotary vane pump with a chemically resistant diaphragm pump. The rotary vane pump is connected on the intake side to a recipient and evacuates it. With a delay the integrated diaphragm pump evacuates the inside of the oil housing. This vacuum prevents the gases from the working valve of the rotary vane pump from condensing and conveys them through a separator system into the exhaust air.

Advantages:
- High end vacuum
- Long periods between oil changes reduce running coasts and down time
- Low corrosive loading of the components
- Simple pressure condensation after the chemical resistant diaphragm pump
- Cessation of a suction-side cooling trap in most cases
- Excellent durability with aggressive applications

Scope of delivery: Chemvac Combination Pump System with switch, mains cable and plug, KF small flange connections, clampng and centering rings, oil filling.

Type	Suction rate m^3/h	Ultimate pressure mbar	W × D × H mm	Wght kg	**Order No.**
P6 Z-101	5.8	2×10^{-3}	500×330×340	25.5	**10 92 49023**
P12 Z-301	11	2×10^{-3}	590×345×420	42.5	**10 92 49024**
P23 Z-301	21	2×10^{-3}	590×345×420	46	**10 92 49025**

Oil

Article	Ultimate pressure at 20°C mbar	Viscosity at 40°C cST	Flash point 15°C	Density at °C g/ml	**Order No.**	PU Liter/ Pack
LABOVAC-14	$<10^{-6}$	47.9	257	0.918	**56 92 80135**	1