Deep Vacuum for Harsh Chemistry Made Easy!

Welch®

New CHEMSTAR® DRY

- Pump Corrosive Gases and Vapors

- 50-millitorr with High Flow

- Oil-Free, No Cold Trapping

- Chemical Resistant System
  - Compact and Efficient
  - Very Low Maintenance

Model 2070
(Patented)

Chemstar Dry is Welch's revolutionary new dry vacuum solution for demanding deep vacuum chemical process needs. This automated system easily handles your most challenging vacuum applications – while saving both time and expense. Pump corrosive gases with ChemStar Dry to eliminate pump oil changes and the ritual of cold trapping.
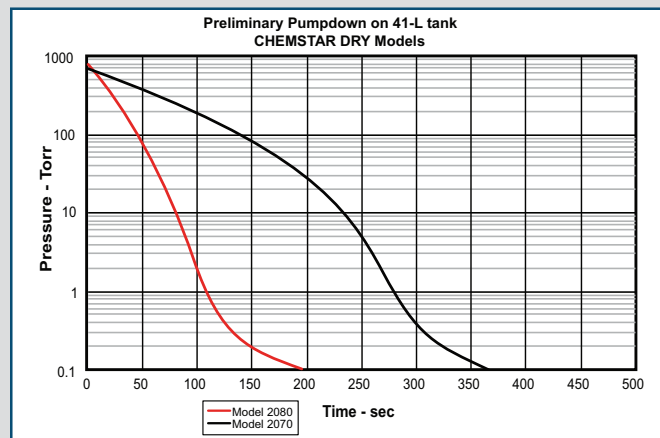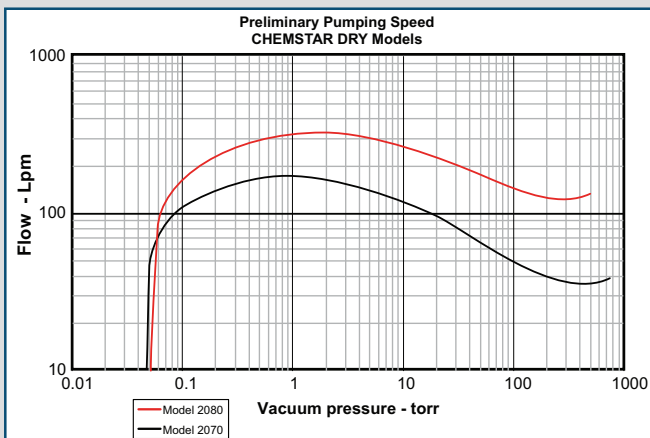
ChemStar Dry's integrated multistage pumping mechanism is software driven and fully chemical resistant. Vapor load optimization and system self-cleaning are electronically controlled. High gas flow and the deep vacuum needed for demanding processes are now available in a compact unit about the size of a tower PC.

Model 2070 delivers ~ 150 l/min pumping speed at 0.2 to 20 torr – the process power zone never before attainable with an economical dry vacuum pump. ChemStar Dry comes ready to plug and play with a 115V plug.

Key Applications

- Drying Manifolds (Schlenk lines)

- Small Freeze Dryers

- Small to Medium Vacuum Ovens

- Glove Boxes

- Concentrators / Evaporators

- Light Industrial

Performance and Speed Curves

Preliminary Pumping Speed
CHEMSTAR DRY Models

Flow - Lpm / Vacuum pressure - torr
Model 2080 / Model 2070

Preliminary Pumpdown on 41-L tank
CHEMSTAR DRY Models

Pressure - Torr / Time - sec
Model 2080 / Model 2070

Preliminary data for 50 & 60 Hz , subject to change with out notice.

WELCH-ILMVAC
Applied Vacuum Technology
www.welch-ilmvac.com

WELCH-ILMVAC

CHEMSTAR DRY Specifications

Model	2070	2080
Maximum Flow LPM (m3/hr) @ 50 or 60Hz	150 (9) @ 2 torr	300 (18) @ 2 torr
Flow @1torr(1.33 mbar), LPM (m3/hr)	140 (8.4)	286(17.2)
Ultimate Vacuum Pressure, torr (mbar)	0.05 (0.07)	0.05 (0.07)
Inlet / Outlet Connection	NW25	NW25
Weight lbs (Kg)	50(22.7)	88(40)
Running Amps	3	6
Free Air Displacement Diaphragm Pump LPM	35	120
Overall Dimensions Lx W x H, in. (cm)	18.1 x 8.5 x 18.4 (45.9 x 21.6 x 46.7)	22.5 x 10.5 x 17.8 (57.2 x 26.7 x 45.2)

Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. American plug	2070B-01	2080B-01
Wired for 230V, 50/60 Hz, 1 pH with Schuko cord set	2070C-02	2080C-02

for more info CLICK HERE

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