

# Vacuum Generation - Oil Diffusion Pump Systems

## Oil Diffusion Pump Systems, DP

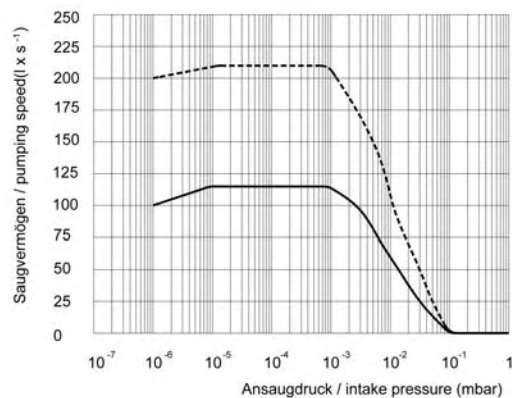
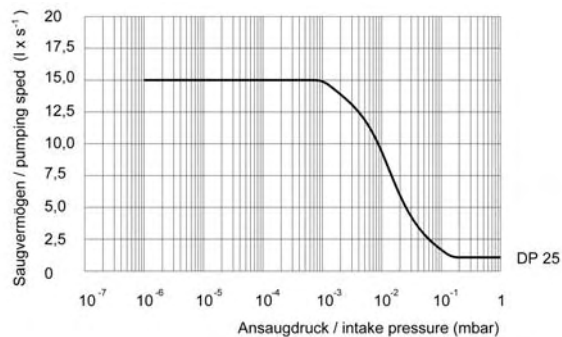
Complete, ready to use pumping system with a pillar design, for the production of high vacuum using oil diffusion principles.

All systems comprise oil diffusion pump, rotary vane backing pump, backing pressure gauge PIA 1.2, high vacuum valve, backing/roughing valve, baseplate and pillar frame and all connections.

### Special characteristics:

- optimum composition of components
- high pumping speed, the ultimate pressure is reached very quickly due to the optimized design
- ultimate pressure (with silicone oil XT 704)  $1 \times 10^{-6}$  mbar
- oil vapour back flow at 10<sup>-4</sup> mbar  $2 \times 10^{-4}$  mg x cm<sup>-2</sup> x min<sup>-1</sup>
- low cooling water consumption, cooling water connection with hose nozzles 2x DN 10
- type DP/DM water cooling, with manual valve operation
- type DP/DP water cooling, with pneumatic valve operation
- type DP-L/DM air cooling, with manual valve operation





--- DP 100/8 DM, DP 100/8 DP  
 — DP 63/4 DM, DP 63/4 DP

## Technical Features

Type	Ultimate pressure mbar	Pumping speed for N <sub>2</sub> l/s	Dimensions (W/D/H) mm	Weight kg
DP 25L/4DM	1x10 <sup>-6</sup>	15	500/480/795	25.0
DP 63/4DM	1x10 <sup>-6</sup>	110	500/480/694	29.0
DP 100/8DM	1x10 <sup>-6</sup>	210	500/480/694	37.0
DP 63/4DP	1x10 <sup>-6</sup>	110	500/480/694	30.0
DP 100/8DP	1x10 <sup>-6</sup>	210	500/480/694	40.5

## Ordering Information

Type	Mains supply V / Hz	Mandatory accessories Connection cable	PU pcs.	Order-No.
DP 25L/4DM	230 / 50	yes	1	100221
DP 25L/4DM	115 / 50/60	yes	1	100221-01
DP 63/4DM	230 / 50	yes	1	100226
DP 63/4DM	115 / 50/60	yes	1	100226-01
DP 100/8DM	230 / 50	yes	1	100227
DP 100/8DM	115 / 50/60	yes	1	100227-01
DP 63/4DP	230 / 50	yes	1	100228
DP 100/8DP	230 / 50	yes	1	100229

Note:  
Country specific  
mains connection  
cable separately  
to the device, see  
page 146.