

Vacuum Generation - Roots Pump Systems

Roots Pump Systems RUD

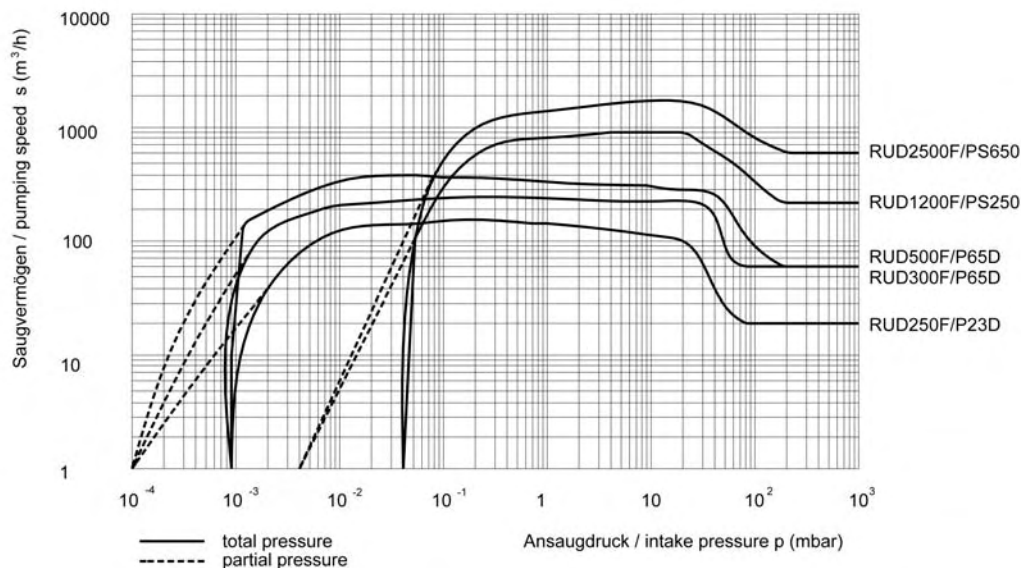
ILMVAC Roots Pump Systems are complete, optimized and compact vacuum systems consisting of a roots pump and a two-stage backing pump. Roots pump systems are well established in many fields of production and research where large pumping speeds are required at pressures in the rough- and fine-vacuum range.

Note:
The electrical connection to mains supply must be made by the user within the isolator box.



Special characteristics:

- roots pump with frequency convertor, enables the roots and backing pumps to be started simultaneously
- optimised pumping curve for rapid system evacuation
- avoids expensive by-pass lines and valving systems
- robust construction within a steel frame



Technical Features

Type	Ult. pressure total mbar	Pumping speed at 0.1 mbar m³/h	Pumping speed at 1 mbar m³/h	Dim. (W/D/H) mm	Weight kg
RUD 250F / P23Z	$<1 \times 10^{-3}$	170	-	520/730/900	150
RUD 300F / P65D	$<1 \times 10^{-3}$	270	-	600/850/1000	230
RUD 500F / P65D	$<1 \times 10^{-3}$	400	-	600/1000/1100	350
RUD 1200F / PS250	$<5 \times 10^{-2}$	-	800	960/1400/1250	560
RUD 2500F / PS650	$<5 \times 10^{-2}$	-	1520	1200/1800/1600	1350

Ordering Information

Type	Mains supply V / Hz	PU pcs.	Order-No.
RUD 250F / P23Z	1x230 / 50	1	102020
RUD 250F / P23Z	1x115 / 50	1	102020-01
RUD 300F / P65D	3x400 / 50	1	102021
RUD 300F / P65D	3x200 / 50	1	102021-01
RUD 500F / P65D	3x400 / 50	1	102022
RUD 500F / P65D	3x200 / 50	1	102022-01
RUD 1200F / PS250	3x400 / 50	1	102023
RUD 1200F / PS250	3x200 / 50	1	102023-01
RUD 2500F / PS650	3x400 / 50	1	102024
RUD 2500F / PS650	3x200 / 50	1	102024-01