



Pumps, vacuum, RV range

03



For applications: analytical instruments; cryogenics; furnaces; thin layer deposition; high energy physics; vacuum ovens; evaporation; rotary evaporators; freeze drying; centrifugal forces; vacuum forming; distillation/extraction apparatus; filtration; fume hoods/glove boxes; impregnation; backing high vacuum systems.

- Dual frequency - can operate at 110 to 120V or 230V, 50/60Hz
- Very quiet - sound pressure at 1m is 48dB(A)
- Dual mode - adjustment to give high gas throughput or high vacuum
- Rugged design - improved water vapour handling, 290g/hr at vapour pressures up to 80mbar
- Integral inlet valve - fast acting shut off valve prevents oil suck back in the event of power failure
- The exhaust nozzle (PYD-290-175W) and mains cable (PYB-705-501C) to be ordered separately

All pumps are supplied without a mains cable.

Technical Specification - Specific

	PYB-710-010V	PYB-710-020S	PYB-710-030P	PYB-710-040M
Pumping speed, m ³ / hr	3.3	5.1	8.5	12.0
Pressure, mbar	2 x 10 ⁻³	2 x 10 ⁻³	6 x 10 ⁻²	6 x 10 ⁻²
Water vapour handling tolerance, mbar	80 (max.)	50 (max.)	38 (max.)	32 (max.)
Water vapour pumping rate, g/ h	220 (max.)	220 (max.)	220 (max.)	290 (max.)
Inlets	KF25	KF25	KF25	KF25
Exhaust connection	KF25	KF25	KF25	KF25
Dimensions [w x d x h], mm	158 x 429 x 225	158 x 429 x 225	158 x 471 x 261	158 x 489 x 261
Mass, kg	22	22	26	26
Power, W	250	250	370	370
Electrical supply	110 to 230V 50Hz 250W	110 to 230V 50Hz 250W	110 to 230V 50Hz 370W	110 to 230V 50Hz 370W

Catalogue No	Alt. No	
PYB-710-010V	RV3	
PYB-710-020S	RV5	
PYB-710-030P	RV8	
PYB-710-040M	RV12	

Accessories

Catalogue No	Description
PYD-270-020T	Oil mist filter for PYB-710-010V/020S/030P (high vacuum mode)
PYD-290-170J	Riffled nozzle with NW25 flange for 12mm I.D. flexible tubing
PYD-290-175W	Plastic nozzle for 15mm tubing
PYB-705-501C	Mains lead, with UK 3 pin plug, 2m
PYD-896-061W	Oil, Ultragrade 19, medium viscosity

Spare parts

Catalogue No	Description
PYB-725-020E	Blade kit for PYB-710-020S
PYB-725-030B	Blade kit for PYB-710-030P
PYB-725-040V	Blade kit for PYB-710-040M
PYB-730-010Q	Inlet valve kit RV3-12
PYB-720-010X	Clean and overhaul kit
PYB-725-010H	Blade kit



Pump, vacuum and pressure

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NEW

Technical Specification

Vacuum, mbar (in. Hg)	813 (24) (max.)
Pressure, bar (psig)	2.45 (35) (max.)
Flow rate, L/min (CFM)	37 (1.3) (max.)
Materials of construction	Cast aluminium (Pump head, housing, regulator)
Mass, kg	4.1
Dimensions (h x w x l), mm	178 x 178 x 203
Connections	1/4 inch stepped hose barb
Electrical supply	220V 50Hz

Catalogue No	Alt. No	
FDR-545-557Q	WP6122050	