V Series

PRODUCT DATA SHEET

MODELS V15 · V20 · V25 · V30 · V35 · V40 · V6000

EBSRAY V Series Sliding Vane Pump Range

Range overview. Self-priming positive displacement vane pumps for low to medium viscosity lubricating and non-lubricating liquids, ideally suited to LPG, propane, butane and DME. Ports from 1.5" to 6" and flows up to 3,750 L/min.



3,750 L/min

maximum flow, V6000

1.5" to 6"

port sizes across the range

Over 7.7 m

suction lift

Key features

- Vanes self-compensate for wear to hold vapour handling and efficiency
- Integral pressure relief valve and replaceable liner on every model
- Three port body with 90° or 180° porting on most models
- Univane plastic vanes prevent metal-to-metal contact in the chamber
- FKM O-rings standard, Buna-N or PTFE/FFKM available
- Replaceable vanes, liners, wear plates, rotor, shaft, seals and bearings

Technical data

SPECIFICATION	VALUE
Pump type	Self-priming positive displacement rotary vane pump
Liquids	Low to medium viscosity, lubricating or non-lubricating
Casing	Cast iron on all models; aluminium, ductile iron or cast steel on some
Max differential	850 kPa (8.5 bar); 1,100 kPa (11 bar) on V40 and V6000
Relief valve	Integral pressure relief valve, all models
O-rings	FKM standard, Buna-N or PTFE/FFKM optional
V15	1.5" (40 NB) ports, 30 to 345 L/min, 1,450 rpm max
V20	2" (50 NB) ports, 65 to 400 L/min, 960 rpm max
V25	2.5" (65 NB) ports, 40 to 575 L/min, 960 rpm max
V30	3" (80 NB) ports, 50 to 900 L/min, 960 rpm max
V35	3.5" (90 NB) ports, 50 to 1,200 L/min, 900 rpm max
V40	4" (100 NB) ports, 30 to 2,000 L/min, 720 rpm max
V6000	6" (150 NB) ports, 400 to 3,750 L/min, 500 rpm max