

## DATASHEET

# CIVAC<sup>2</sup>



### KEY FEATURES

- Oil filled vacuum system designed for use with small to medium sized Resin Infusion applications, as well as small scale tank degassing of up to 50 litres.
- Environmentally friendly on-board vacuum pump integrated with efficient exhaust filters, typically 10 times better than competitive pumps.
- Capable of high levels of consistent performance at any operating pressure, whilst keeping an optimised noise level.
- Illuminated ON/OFF control with a simple button.
- Digital pressure readout enabling vacuum checks without the need of an external gauge.
- Full switching option which can be configured to automatically shut off the pump once a configured level of vacuum is reached and starts up again once vacuum is lost, reducing wear on the pump and saving energy.
- Reduced maintenance requirements.

## VACUUM SYSTEM VERSIONS

All versions include a corresponding spares kit.

Standard Options	Description	Product Number
<b>16 m<sup>3</sup>/hr Oil Filled Vacuum System</b>	Single phase with simple ON/OFF control.	XV-0201-16A + SK
<b>40 m<sup>3</sup>/hr Oil Filled Vacuum System</b>	Three phase (16A) with simple ON/OFF control.	XV-0201-40B + SK

## VACUUM SYSTEM UPGRADES

Standard Options	Description	Product Number
<b>Full Switching Control</b>	<ul style="list-style-type: none"> <li>- Digital display of vacuum level (gauge).</li> <li>- User adjustable digital switching unit to minimise pump operation whilst providing constant pump output.</li> <li>- Automatically turns ON/OFF between pre-set maximum and minimum vacuum level settings.</li> <li>- Absolute vacuum readout to provide readout of vacuum level from atmospheric pressure down to 0 mbar.</li> <li>- Hours run meter with electronic counter to record the total pump use in hours, allowing accurate planning of service intervals.</li> </ul>	XV-0201-OPT-F
<b>Small Reservoir</b>	20 litre reservoir suitable for 16 m <sup>3</sup> /hr vacuum pumps only.	XV-0201-OPT-S
<b>Large Reservoir</b>	200 litre reservoir suitable for 40 m <sup>3</sup> /hr vacuum pumps only.  Up to 8 vacuum take offs available — quantity of unregulated/regulated take offs to be specified at point of order.	XV-0201-OPT-L

## MACHINE ANCILLARIES/RELATED PRODUCTS

Standard Options	Description	Product Number
<b>Vacuum Hose Set</b>	5 metre vacuum hose set with GEKA connectors (pair). Designed to connect vacuum system to other vacuum outlets.	XE-0204

## TECHNICAL SPECIFICATION

General	
Product Dimensions	L: 1.55 m x W: 0.65 m x H: 1.21 m <b>*Dimensions for vacuum system with 20 litre reservoir is dependent on other specifications and determined at point of order.</b>
Product Weight	180 kg <b>*Weight for vacuum system with 20 litre reservoir is dependent on other specifications and determined at point of order.</b>
Maximum Shipping Weight	Dependent on shipping options
Nominal Service Period	1 calendar year <b>*maintenance — oil and filter only</b>
Design Life	10 years

Vacuum Pumps	16 m³/hr	40 m³/hr
Vacuum Pump Type	Oil Filled	Oil Filled
Nominal Pump Speed	16 m³/hr (50 Hz)	44 m³/hr (50 Hz)
Ultimate Vacuum Level	≤ 2.0 mbar <b>*with gas ballast</b>	≤ 1.5 mbar <b>*with gas ballast</b>
Water Vapour Tolerance	10 mbar	30 mbar
Oil Filling	0.5 litre	1 litre
Noise Level	62 dB (A) (50 Hz)	58 dB (A) (50 Hz)
Maximum Motor Power	0.55 kW (50 Hz)	1.1 kW (50 Hz)

Power Requirements	16 m³/hr	40 m³/hr
Power Supply	Single phase	Three phase
Electrical Supply	230V AC, 50 Hz	415V AC, 50 Hz
Internal Fuse	3.15A, 20 mm cartridges	3.15A, 20 mm cartridges
Power Connection	16A 1P + N & E appliance inlet	16A 3P + N & E appliance inlet