

F34 XDS Dry Vacuum Pump by BOC Edwards

XDS Dry Vacuum Pump

Completely dry, lubricant-free Vacuum Pump with vapor handling.

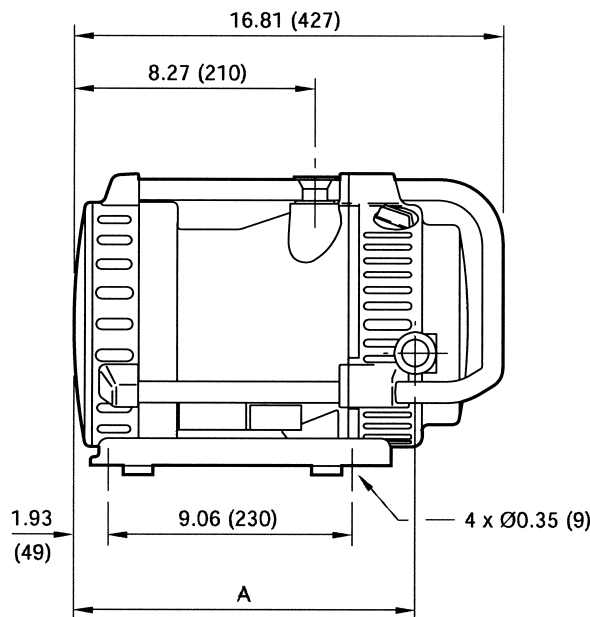
Innovative XDS Dry Pumps were designed by BOC Edwards to provide vacuum totally free of lubricants. Bearings are isolated from the vacuum environment by a patented XDS bearing shield. Uniquely, there are no bearings, grease or oil under vacuum and no bearing purge. Controllable gas ballast is standard and makes the XDS suitable for pumping condensable vapors. The versatile XDS uses a scroll mechanism and is manufactured by BOC Edwards, the market leader in dry pumping products and technology. This pump is portable, air-cooled and cost effective. Power consumption is very low and, typically, no other utilities are required. XDS vibration and noise levels make it ideal for laboratory use. The XDS is truly user serviceable; with no oil to change, typically annual maintenance can be completed in about 10 minutes without special tools.



Features:

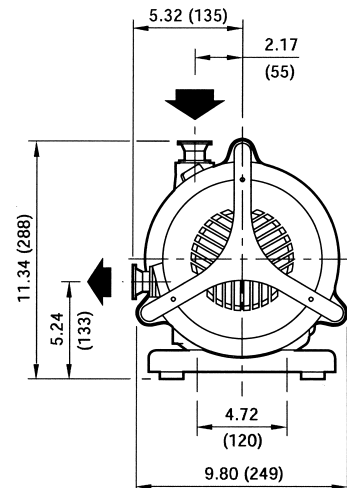
- Totally dry, lubricant-free vacuum
 - No oils or greases of any kind
 - Cleaner, more repeatable processes
 - No bearing or shaft seals, no bearing purge
- Two models
 - XDS5 - 6 m³h⁻¹ (3.5 cfm) @ 60 Hz
 - XDS10 - 11 m³h⁻¹ (6.5 cfm) @ 60 Hz
- Ultimate 0.07 mbar (0.05 torr)
- Ease of maintenance
 - No oil to buy, change or dispose of
 - No re-greasing of bearings
 - No special tools, shims or jigs needed for service
 - Simple supply voltage selection
- 3-position gas ballast selector
 - Pumps in excess of 200 gh-1 water vapor

Technical Data	XDS5	XDS10
Displacement (swept volume) 60 Hz		
50 Hz	5.7 m ³ h ⁻¹ (3.4 cfm)	11.3 m ³ h ⁻¹ (6.7 cfm)
60 Hz	6.7 m ³ h ⁻¹ (4.0 cfm)	13.4 m ³ h ⁻¹ (7.9 cfm)
Pneurop pumping speed		
50 Hz	4.8 m ³ h ⁻¹ (2.8 cfm)	9.3 m ³ h ⁻¹ (5.5 cfm)
60 Hz	6.0 m ³ h ⁻¹ (3.5 cfm)	11.1 m ³ h ⁻¹ (6.5 cfm)
Ultimate vacuum (total pressure)	0.07 mbar (0.05 torr)	0.07 mbar (0.05 torr)
Exhaust connection	DN25NW	DN25NW
Weight	51 lb. (23 kg)	54 lb. (24.5 kg.)
Motor supply Voltage		
50 Hz 1 phase	110V or 220 - 240V	
60 Hz 1 phase	115 - 220V or 230 - 240V	
50 Hz 3 phase	200 - 220V or 380 - 415V	
60 Hz 3 phase	200 - 230V or 460V	
Power		0.3kW
Inlet Connection	DN25NW	DN25NW
Operating Temperature	+50°F to 104°F (+10°C - 40°C)	
Storage Temperature	-22°F - 158°F (-30°C - 70°C)	
Noise Level @ ultimate (at 1 meter)		55 dB(A)
Vibration		<1.5mms ⁻¹ (rms)
Leak tightness (static)		<10 ⁻⁶ mbarls ⁻¹ (<7.5 x 10 ⁻⁷ torrls ⁻¹)
Water vapor handling (GB1 flow)		70 gh ⁻¹
Water vapor handling (GB2 flow)		>200 gh ⁻¹



XDS5: A = 297 mm

XDS10: A = 315 mm



Part No.	Description	Price
XDS5 Dry Pump		
A724-01-906	1 phase	
A724-01-905	3 phase	
XDS10 Dry Pump		
A726-01-906	1 phase	
A726-01-905	3 phase	