

EXT and nEXT Accessories

Pump-to-Controller Extension Cables

EXT75DX and nEXT pumps come as standard with a 1 m cable fitted. Where you wish to mount the pump further away from the controller, an extension cable is required. They are available in 1, 3 and 5 m lengths, to suit your installation.

Ordering Information

Product Description	Order No.
1 m cable	D39700835
3 m cable	D39700836
5 m cable	D39700837

Air-Cooler

An air-cooler is used to cool a turbo pump when a suitable cooling-water supply is not available or for a pump in a mobile pumping system. The air-cooler is an enclosed electrical fan and fixing bracket assembly which is easily fitted to bolt holes in the base of the pump. The air-cooler has a 24 V d.c. motor which can be powered and controlled from a rear panel socket on the EXC/TIC Controller or nEXT/DX pump. It is supplied with 3 m of electrical cable.

nEXT air coolers are also available with a phoenix connector to plug directly into the pump.

Ordering Information

Product Description	To Fit Pumps	Order No.
ACX75	EXT75DX	B58053075
ACX555H	EXT556H	B58053561
nEXT Axial air cooler	nEXT240/300/400	B58053185
nEXT Radial air cooler	nEXT240/300/400	B58053175
nEXT Axial air cooler with connector	nEXT240/300/400	B58053180
nEXT Radial air cooler with connector	nEXT240/300/400	B58053170

BX Bakeout Band

Use a BX bakeout band to increase the rate of degassing of the pump body to achieve faster pump down and lower ultimate pressure. Bakeout bands are only fitted to CF flanged pumps and/or intended for use in ultra high vacuum systems.

Bakeout bands are available for use with 110-120 or 220-240 V a.c. electrical supplies and can be powered from a rear panel socket on the EXC/TIC Controller. It is supplied with 3 m cable and mating CE22 connector.

Ordering Information

Product Description	To Fit Pumps	Order No.
Contact Edwards for ordering information		

PRX10 Purge-Restrictor

The PRX10 purge-restrictor is used to set the flow-rate of purge gas into the (n)EXT pump. All of the (n)EXT pumps have a purge-port to allow you to purge the motor and bearing cavity with dry nitrogen or another inert gas. Fit a vent-port adaptor to the purge-port of the pump to convert it from 1/8 inch BSP to DN10NW, before you use the PRX10.

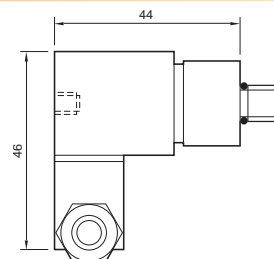
Ordering Information

Product Description	Order No.
PRX10 purge-restrictor	B58065001

TAV Vent-Valve

The TAV vent-valves are 24 V d.c. solenoid operated valves which you can use to vent your vacuum system with atmospheric air or dry nitrogen when you switch off the (n)EXT pump. The valves are supplied with a sintered bronze inlet-filter, a ruffled hose connector, 3 m of electrical cable and a DN10NW adaptor. The vent-valves can be powered and controlled from a rear panel socket on the EXC/TIC Controller or directly on DX/nEXT. You can either use your TAV vent-valve to replace the manual vent-valve supplied with the (n)EXT pump, or adapt it to fit any other suitable port on the vacuum system upstream of the turbomolecular pump.

Dimensions



Ordering Information

Product Description	Order No.
TAV5 vent-valve	B58066010
TAV6 vent-valve	B58066020

Vent-Port Adaptor

This 1/8 inch BSP male to DN10NW adaptor can be used to replace the TAV5 vent-valve or the manual vent-valve fitted to the EXT pumps. It allows the threaded vent-port or purge port on the pump to be converted to a DN10NW flange.

The vent-port adaptor is supplied with a removable flow-restrictor and an O-ring to seal the adaptor to the pump.

Ordering Information

Product Description	Order No.
Vent-port adaptor	B58066011

Vibration Isolator

A vibration isolator can be fitted to the inlet-flange of the (n)EXT pump to reduce the transmission of the small amount of vibration generated by the pump to your vacuum system. The vibration isolator has two flanges separated by a flexible stainless steel bellows and an outer rubber anti-vibration collar.

The vibration isolator is designed for use with vertically mounted pumps only.

Ordering Information

To Fit Pump Inlet-Flange	Order No.
DN63CF	B58101000
DN63ISO-K	B58115000
DN100ISO-K	B58120000
DN160ISO-K	B58125000
DN100CF	B58105000
DN160CF	B58110000

VRX Vent-Restrictor

Fit a VRX vent-restrictor to your (n)EXT pump if you will vent the pump when the pump speed is above 50% of full rotational speed. The vent-restrictor restricts the flow-rate of the vent gas into the (n)EXT pump. You can also use the VRX to replace the standard restrictor supplied with the PRX10 purge restrictor to obtain a different purge rate.

You can fit the vent-restrictor to the TAV vent-valve, to the vent-port adaptor or directly to the vent or purge port of the pump.

Ordering Information

VRX Vent-Restrictor	Orifice Diameter (mm)	Order No.
VRX10	0.1	B58066021
VRX20	0.2	B58066022
VRX30	0.3	B58066023
VRX50	0.5	B58066024
VRX70	0.7	B58066025

Water-Cooler

A water cooler is used to cool a turbo pump where ambient temperatures are above 35°C, where high gas flows are required or where backing pressure is high.

For EXT75DX and EXT556H pumps the water cooler is fitted with 6mm OD nozzle connectors. For nEXT pumps the water cooler is supplied with push fit connectors to suit a 10mm OD pipe.

Ordering Information

Product description	Pump	Order No.
nEXT water cooler	nEXT240/300/400	B80000815
WCX water-cooler		
WCX250	EXT75DX	B73600121
WCX555H	EXT556H	B58067003

(n)EXT Spares

Each (n)EXT pump is supplied with an inlet seal and inlet screen. These items may also be ordered as spares.

Ordering Information

Product Description	Pump Type	To Fit Inlet Flange Size	Order No.
Inlet flange seals with integrated inlet screen			
100 coarse	nEXT240/300	DN100ISO	B81000808
100 fine	nEXT240/300	DN100ISO	B81000809
160 coarse	nEXT400	DN160ISO	B80000825
160 fine	nEXT400	DN160ISO	B80000826
Inlet flange seals			
DN40NW Co-Seal, fluoroelastomer			B27158453
ISO63 Trapped O-ring, fluoroelastomer			B27158170
63CF copper compression gasket (pack of 10)			C10007490
100CF copper compression gasket (pack of 10)			C10009290
160CF copper compression gasket (pack of 5)			C10011290
ISX inlet-screen			
63	EXT75DX	DN63ISO-K, DN63CF	B72240860
100 coarse	nEXT240/300	DN100CF	B80000821
100 fine	nEXT240/300	DN100CF	B80000822
160 coarse	nEXT400	DN160CF	B80000823
160 fine	nEXT400	DN160CF	B80000824
160 coarse	EXT556H	DN160ISO-K, DN160CF	B58051007
160 fine	EXT556H	DN160ISO-K, DN160CF	B58051008

nEXT bearing service parts and tools

On nEXT it is possible for end-users to change the oil cartridge and bearing in the field, using basic workshop tools and an Edwards tool kit. Service parts and tools are listed below.

Ordering Information

Product description	Order No.
Oil cartridge tool kit	B80000812
Bearing tool kit	B80000805
Oil cartridge	B80000811
Bearing and oil cartridge	B80000810