

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *BOC Edwards XDS5C* at our website: *Click HERE*

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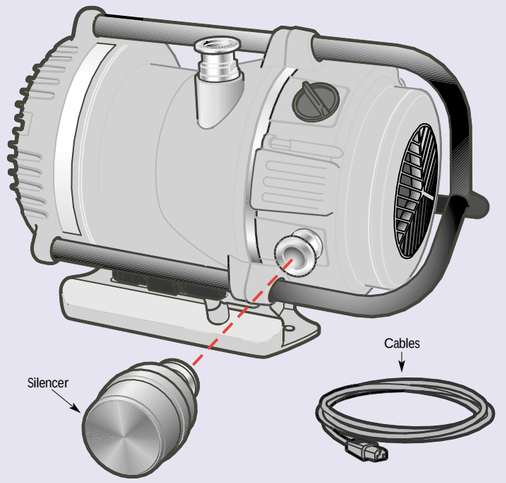
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Ordering details

	Description	Ordering Number
XDS5	XDS5 1ph, 115V/230V 50/60Hz set to 230V	A72401903
	XDS5 1ph, 100/200V set to 200V	A72401904
	XDS5 3ph, 200-220/380-415V 50Hz 200-230/460V 60Hz	Contact BOC Edwards
	XDS5 1ph, 115V/230V 50/60Hz set to 115V	A72401906
XDS10	XDS10 1ph, 115V/230V 50/60Hz set to 230V	A72601903
	XDS10 1ph, 100/200V set to 200V	A72601904
	XDS10 3ph, 200-220/380-415V 50Hz 200-230/460V 60Hz	Contact BOC Edwards
	XDS10 1ph, 115V/230V 50/60Hz set to 115V	A72601906
Cord Sets	UK, three pin plug	A50505000
	North European plug	A50506000
	North American plug	A50507000
Silencer	Silencer for XDS5 and XDS10	A50597000
Vibration Isolators	XDS5 and XDS10	A24801404
Spare Parts	Tip seal kit	A72601805

	Description	Ordering Number
XDS35i	XDS35i 100-120/200-230V50/60HZ set to 230v	A73001983
Cord Sets	UK, three pin plug	A50505003
	North European plug	A50506003
	North American plug	A50507003
Silencer	Silencer for XDS35i	A50597001
Vibration Isolators	Vibration isolators for XDS35i	A24801408
Spare Parts	Tip seal kit	A73001801
	Reducing piece NW40/25	C10516439
	Centering ring & Oring NW25	C10514395
	Clamp - NW25	C10514401
Gas Ballast Adaptor	Kit for XDS5, XDS10, XDS35i	A50626801

Accessories



BOC Edwards is a world leader in process equipment, materials and services for electronics, industrial and scientific applications. Our aim is to offer customers solutions that result in a measurable improvement in productivity.

BOC EDWARDS PRODUCTS AND SERVICES

BULK GASES
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VACUUM PUMPS & SYSTEMS
EXHAUST MANAGEMENT
WASTE MANAGEMENT
COATING SYSTEMS
PRESSURE BLOWERS
PHARMACEUTICAL SYSTEMS
THERMAL MANAGEMENT
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DESIGN & PROJECT MANAGEMENT
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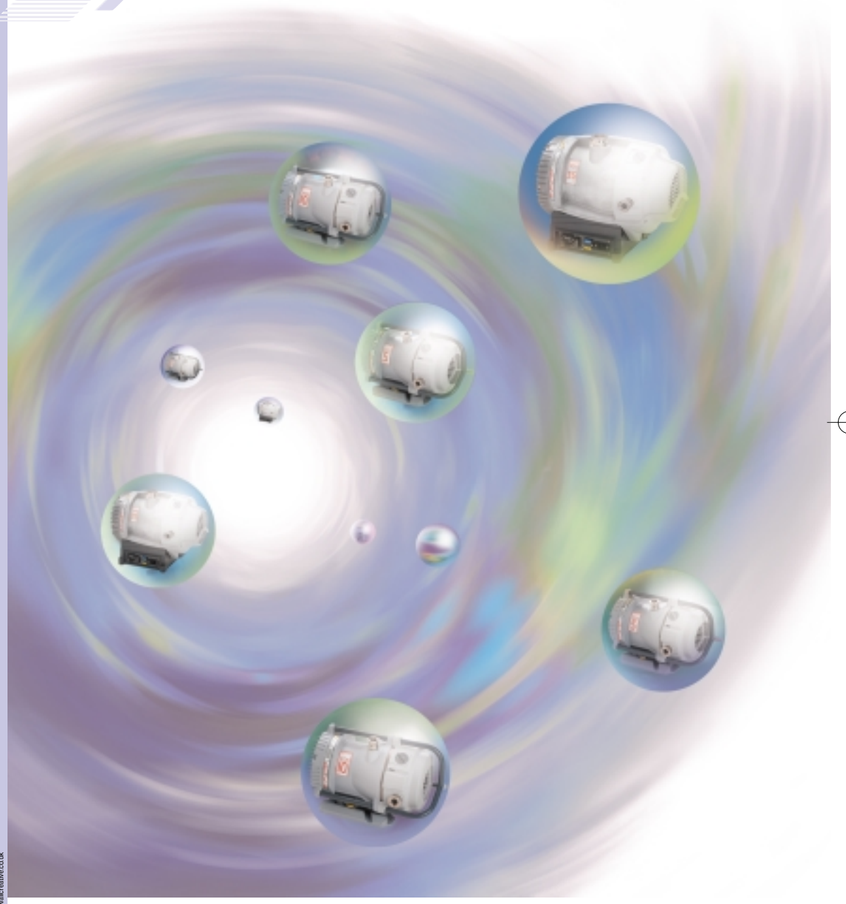
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BOC EDWARDS

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XDS Dry Scroll Pumps



BOC EDWARDS
for Better Process Results

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Unique design that sets the industry standard

BOC Edwards' 30 years of experience in scientific applications affords us a deep understanding of research practices and the critical role that vacuum plays within them. From this platform, and through collaboration with the major analytical instrument manufacturers, we develop and support innovative vacuum products that underpin the customer's entire research process.

The XDS range is a unique awarding winning dry pumping technology. It is designed to provide a robust and clean dry pumping solution for all applications.

All pumps in the range are approved to UL and CSA standards and backed by BOC Edwards' worldwide service and support.

Typical Applications

Instrumentation	XDS5	XDS10	XDS35i
Analytical instruments - GCMS	●		
Analytical instruments - LCMS		●	●
Automotive	●	●	●
Beam lines and high energy physics	●	●	●
Centrifuges, ultra-high speed	●	●	●
Coating	●	●	●
Cryogenics	●	●	●
Degassing/curing - oil, epoxy resin	●	●	●
Distillation/extraction/filtration	●	●	●
Freeze drying	●	●	●
Furnaces	●	●	●
Gas bottle filling/emptying			●
Gel drying	●	●	●
Glove boxes, ovens		●	●
Laboratory bench top vacuum	●	●	●
General			
Lasers, gas recovery and re-circulation	●	●	●
Leak detectors, Helium	●	●	●
Load locks and transfer chambers	●	●	●
Rare gas re-circulation	●	●	●
Rare gas recovery	●	●	●
Refrigeration manufacture	●	●	●
Research and development	●	●	●
Rotary, centirfugal evaporators	●	●	●
Scanning electron microscopes - SEM	●	●	●
SEM/FIB (Ion beam repair)	●	●	●
Solvent recovery	●	●	●
Surface science instruments	●	●	●
Turbomolecuar backing pumps	●	●	●

Patented bearing shield
Totally clean and dry vacuum
No bearings or grease in the vacuum space
No shaft seals, no bearing purges
Simple single sided scroll design
Tip seal change in 20 minutes
No special tools required

Integral IEC 60320 connector
No customer wiring

Motor on/off switch
Ease of control

Dual voltage/frequency motor with external change-over switch
Simple voltage selection, less world-wide stock

Selectable gas ballast position
No permanent gas ballast leak
Large water vapor handling capacity

Award winning
Millennium R&D Magazine
100 Award Winner

Inverter driven motor (XDS35i)
Worldwide voltage, low power consumption
Pump overload protection
Remote on/off control capability
Remote speed selection capability

All pumps externally approved to EN61010, CSA C22.2 1010, UL 61010 standards
Ease of incorporating pump into approved systems, safe product



Pancake motor
Unique design, low power
Compact product, low noise levels





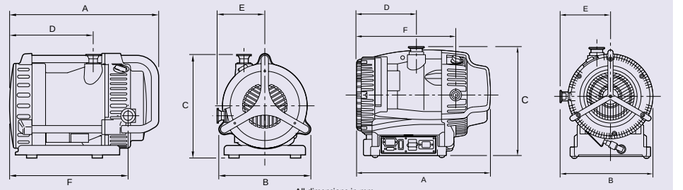
Manufactured under ISO 9001 standard
High quality product

Manufactured under ISO 14001 standard
Environmentally friendly processes

Dimensions

	A	B	C	D	E	F
XDS5	427	249	288	210	180	297
XDS10	427	249	288	210	180	315

	A	B	C	D	E	F
XDS35i	476	290	397	212	195	353



All dimensions in mm

Specifications

	Hz	Units	XDS 5	XDS 10	XDS 35i
VACUUM DATA					
Peak pumping speed [1,2]	60	cfm	3.5	6.5	21
	50	m³/h	4.8	9.3	35
Ultimate pressure (Total)	60	Torr	0.05	0.05	0.075
	50	mbar	0.07	0.07	0.01
Ultimate pressure GB I (Total)	50/60	Torr	0.09	0.09	0.015
		mbar	0.15	0.15	0.02
Ultimate pressure GB II (Total)	50/60	Torr	-	-	0.022
		mbar	-	-	0.03
High throughput mode	50/60	Torr	-	-	-
		mbar	-	-	-
Water vapor tolerance		Torr	38	23	
		mbar	50	35	
Water vapor capacity - GB I		g/h	70	70	70
Water vapor capacity - GB II		g/h	200	200	200
MOTOR DATA					
Motor rating 1 phase (nominal)	60	W	300	300	520
	50	W	300	300	520
Motor rating 3 phase		W	Note [3]	Note [3]	-
Nominal rotation speed	60	rpm	1800	1800	1800
	50	rpm	1500	1500	1800
PHYSICAL DATA					
Weight		lb	51	54	106
		kg	23	24.5	48
Length		inch	16.8	16.8	18.7
		mm	427	427	476
Width		inch	9.8	9.8	13.1
		mm	249	249	333
Height		inch	11.3	11.3	15.6
		mm	288	288	396
Inlet flange			NW25	NW25	NW40
Exhaust flange			NW25	NW25	NW25
Noise level	50/60 [4]	dBA	55	55	57
Leak tightness		mbar.l/s	$<1x10^{-6}$	$<1x10^{-6}$	$<1x10^{-6}$
Operating temperature range		°C	10 to 40	10 to 40	10 to 40

Notes: 1. XDS35i is inverter controlled, pre-set to 60 Hz.
2. Pumping speed measured to PNEUROP 6602.
3. Contact BOC Edwards.
4. XDS5/10 at 50 Hz. XDS35i at 60 Hz.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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