



USED & SURPLUS CATALOG 2011



USED & SURPLUS SALES CONDITIONS

The individual prices are Exworks Intercovamex Cuernavaca, Morelos México.

Delivery time: Depends of described availability in each item description. Please confirm when placing the order as many parts are unique and available on a “first-come-first-served” basis.

The guaranty for non-consumable NEW items is 12 months.











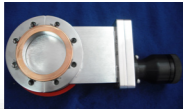
The guaranty for non-consumable REFURBISHED items is 3 months.

No guaranty for non-consumable USED items sold “AS IS”


All prices are in U.S. dollars.

1. INTERCOVAMEX SURPLUS AND USED VACUUM VALVES
 2. SURPLUS AND USED VACUUM FITTINGS
 3. SURPLUS ELECTRICAL FEEDTHROUGHS FOR UHV
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8. SURPLUS AND USED MANIPULATORS AND MOTION FEEDTHROUGHS
9. DEPOSITION SYSTEMS
10. SURPLUS & USED CHILLERS + MISCELANEOUS ITEMS

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
63732161		Pneumatic gate valve CF 4 1/2".	2	800.00	Refurbished
000000953		UHV all metal valve RIBER VME-16. CF 1 1/3". Operated with hexagonal wrench.	2	400.00	NEW
RIB011		Right angle valve CF 2 3/4" Riber VME35. All metal. Tested 10-10.	5	350.00	Used. Sold "AS IS"
VV40 used		Right angle valve KF40 Riber with viton seal.	1	150.00	Used. Sold "AS IS"
VV40 new		Right angle valve KF40 Riber with viton seal.	1	250.00	NEW in original package
1938		Right angle valve KF40 Meca 2000 viton seal.	1	250.00	NEW
0063742133		Pneumatic gate valve viton CF6" HVA VTA 100PC.	2	1,800.00	NEW
0000002281		Electromagnetic valve Balzers EVA 025 PX , KF25.	1	500.00	NEW
MEIVAC		Manual throttle valve with micrometr screw CF 6". Meivac.	1	1,500.00	NEW
786367		3 way ball valve KF16. Alcatel. Nickel plated brass body.	1	100.00	Like new
C31001000		Edwards PV5 speedvalve. Manual with SC5 brass coupling bodies.	12	60.00	NEW
MZ32		Gate valve ASA with groove on one side. 11" O.D., 7-3/4" I.D., pneumatic.	2	1,200.00	Works well. Sold "AS IS"
145-0040K		HPS Sentry protection valve NW40. Solenoide missing.	2	150.00	Used. Sold "AS IS"

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
851-5095		Variation KF40 right angle valve electropneumatic 24 VDC.	5	200.00	Tested OK. Sold "AS IS"
L6281-303		Variation NW40 A/O valve.	3	150.00	Sold "AS IS"
1243-L5675-306		Variation model NW40 24 VDC.	1	150.00	Sold "AS IS"
851-5090		Variation KF 40 R. Angle valve, pneumatic (no solenoid).	2	180.00	Tested OK. Sold "AS IS"
PSA-150K-SPI1		Key high vac. KF 40 R. Angle valve, pneumatic (no solenoid).	1	150.00	Tested OK. Sold "AS IS"
MNH26		Throttle valve, pneumatic 3 positions, CF 8" OD.	1	400.00	To be repaired. Sold "AS IS"
SS-4BK-1C		Nupro pneumatic valve, swagelok male.	1	150.00	Used. Sold "AS IS"
SS-4BK-V51-1C		Nupro pneumatic valve, VCR female.	3	150.00	Used. Sold "AS IS"
28752v3		Leybold electromagnetic valve of UL100. KF25. to be tested.	1	200.00	To be tested. Sold "AS IS"
mz60		Variation brass valve, pneumatic, KF25 and 18 mm tube.	1	50.00	To be tested. Sold "AS IS"
X1		Venting valve KF25 in line. Electropneumatic. 115V.	1	100.00	To be tested. Sold "AS IS"
PV10		Edwards PV10 electromagnetic valve 200-240V, right angle KF16.	1	400.00	Used. Sold "AS IS"
LESS		Standard Stainless Steel Gate Valve CF 4 1/2" SG0250MCCF.	1	1,500.00	Refurbished

INTERCOVAMEX SURPLUS AND USED VACUUM VALVES



PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
253B-14579		MKS Exhaust Throttle Valve.	1	760.00	Sold "AS IS"
253B-1-40-2		MKS Exhaust Throttle Valve KF40 .	1	690.00	Sold "AS IS"
92300873		Inline Valve KF25 electromagnético 220 V 50/60 Hz Leybold (ref Leybold: 92300873) ref Cameca: 8091530813.	1	350.00	Used. Sold "AS IS"

COVAMEX SURPLUS AND USED VACUUM VALVES

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
Bellow 90		Bellow KF40. Thin wall. 90 mm. Stainless steel.	2	110.00	Used. Sold "AS IS"
Bellow 140		Bellow KF40. Thick wall. 140 mm. Stainless steel.	1	130.00	Used. Sold "AS IS"
tee KF50KF40		Reducing Tee 2xKF50, 1KF40. Stainless steel .	1	90.00	Used. Sold "AS IS"
iso100-KF40		Adapter ISO 100 to KF40. Stainless steel.	1	140.00	Used. Sold "AS IS"
RIB010		Braided flexible hose CF 2 3/4", 1 meter.	3	250.00	Used. Sold "AS IS"
RIB013		Reducing Tee CF 4 1/2" - CF 4 1/2" - CF 2 3/4". 150 mm long.	1	200.00	Sold "AS IS"
RIB016		Nipple CF 4 1/2" , 80 mm long.	1	100.00	Used. Sold "AS IS"
RIB017		Nipple CF 4 1/2" , 70 mm long.	1	90.00	Used. Sold "AS IS"
RIB021		Special flange CF6" with bellow 170 mm long and post.	1	200.00	Used. Sold "AS IS"
RIB024		Adapter CF 2 3/4" to rectangle.	1	60.00	Used. Sold "AS IS"
RIB026		Adapter CF 2 3/4" - KF40.	1	35.00	Used. Sold "AS IS"
RIB027		Special adpater CF 2.75 with O ring- KF25.	1	50.00	Used. Sold "AS IS"
RIB028		Viewport CF 4 1/2".	1	50.00	Used. Sold "AS IS"

SURPLUS AND USED VACUUM FITTINGS



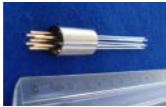



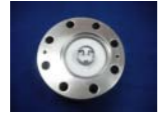

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
RIB033		Ceramic breaks (Insulating Nipple) 95 mm long CF6".	1	400.00	Used. Sold "AS IS"
0000001013		Stainless Steel flange CF 2 3/4".	3	20.00	NEW.
0050013074		Adapter CF 1 1/3" to 6 mm tube.	5	40.00	NEW.
0050026224		CF 8" Flange with 1 hole 25 mm and 1 hole 40 mm aprox.	1	100.00	Used. Sold "AS IS"
0050032341		Stainless steel tube body.	2	100.00	NEW.
RIB009		Bellow CF 4 1/2" with orientation mechanism for transfer devices.	1	700.00	Used. Sold "AS IS"
LES001		Niple Stainless steal ASA 8 holes without groove. Inside diameter 5.75". Length: 11".	1	300.00	NEW.
MZ64		Plate, 2 quick connector, tube.	2	250.00	Used. Sold "AS IS"
0000002805		Viewport to be welded, ID 32 mm. OD 45 mm. L= 10 mm.	2	30.00	NEW
29250570		Viewport to be welded. Cylinder type, OD 25 mm. ID 20 mm. L= 30 mm.	5	20.00	NEW
0000006783		Viewport to be welded, ID 105 mm. OD 125 mm. L= 20 mm.	2	40.00	NEW
NIP275		Stainless steel Nipple CF 2 3/4" L= 30 cm.	1	110.00	Used. Sold "AS IS"
100314403		90 Elbow KF 25.	1	40.00	Used. Sold "AS IS"

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
100314505		90 Elbow KF 40. Used.	7	50.00	Used. Sold "AS IS"
100314506		90 Elbow KF 50.	1	60.00	Used. Sold "AS IS"



SURPLUS AND USED VACUUM FITTINGS

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
68772016Z		Electrical feedthrough, CF1.33, 1 pin, 15KV.	6	200.00	NEW
RIB005		Electrical feedthrough TNCl CF 1.33, 2A, 2000V aprox.	3	100.00	NEW
RIB006		Electrical feedthrough CF1.33, 7 pins for instrumentation.	1	150.00	NEW
0050017145		Electrical Feedthrough 10KV MTHT-10, CF 1.33", 3 pins.	1	450.00	NEW
50KV-3PINS-CF6		50 KV Feedthrough on CF 6".	2	600.00	NEW
R30013770W		7 KV Feedthrough to be welded (riber for ion pump style).	14	50.00	NEW
0000001042		Electrical Feedthrough CF1.33 5 CTS 5A. 5 pins.	6	190.00	NEW
30154740Z		Feedthrough TRIAX d15 Ig69.	6	50.00	NEW
7938-02W		Ceramaseal Feedthrough.	1	50.00	NEW
0045406679		Electrical Feedthrough 10 KV.	1	50.00	To be welded (no flange). NEW
0050006880		Coaxial Electrical Feedthrough for welding. 10 KV.	3	50.00	NEW
0050017153		Hermetic Feedthrough D5 D1,2 LG41.	28	50.00	To weld. NEW
0000001920		Electrical Feedthrough CF 1.33" COAX 3A 700V.	5	100.00	NEW






SURPLUS ELECTRICAL FEEDTHROUGHS FOR UHV

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
24012100S		Electrical Feedthrough CF1.33 MT7P.	8	100.00	NEW
10094-02-CF		Ceramaseal Elec. Feedthrough CF 1.33 , 10 pins with connector.	4	300.00	NEW
50015860		Electrical Feedthrough, 7 pins.	1	100.00	To be welded. NEW
29250680		20 KV electrical feethrough with O ring flange CF 2.75 alike.	1	700.00	NEW
47703152		Pack of 100 electrical pin with insulator. ACCEL part number 24871.	2	50.00	NEW
24004590D		Electrical feedthrough CF1.33 for ion pump (riber or Meca2000). 12kv, 5A, MTHT.	1	150.00	Used. Sold "AS IS"
39249378		Electrical Feedthrough CAMECA.	1	300.00	NEW
TFT1KY2C158C		Type K Mini Plug plus power 15A,QF40.	4	250.00	Used. Sold "AS IS"

SURPLUS ELECTRICAL FEEDTHROUGHS FOR UHV

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
000002288		Convection sensor GRANVILLE PHILIPS, CF 2 3/4".	3	180.00	NEW
CCHPS25		HPS Cold Cathode KF 25.	1	415.00	Used. Sold "AS IS"
CCHPS1-2		HPS Cold Cathode VCR female 1/2".	1	415.00	Used. Sold "AS IS"
222CA-0010DB		Capacitance manometer BARATRON®, 10 Torr	2	300.00	Used. Sold "AS IS"
880RS		VARIAN ion, dual thermocouple gauge controller.	1	700.00	Sold "AS IS"
SRG		MKS Power supply for rotation sensor SRG-2-232-SPSH.	1	5,000.00	Works well
722A-14618		Baratron® MKS 722. 30 Torr- 3x 10-3 Torr. Calibrated on 2004	0	700.00	Used. Sold "AS IS"
GP307		Digital Controller GRANVILLE PHILIPS 307 for 1 hot cathode and 2 convection.	1	1,000.00	NEW
307016		Tarjeta sensor cátodo caliente de repuesto para controlador GRANVILLE 307	1	400.00	
307013		Tarjeta sensor de convección CONVECTRON® de repuesto para controlador	1	200.00	
Wika		GRANVILLE 307	1	80.00	NEW
Weksler		Wika Bourdon manometer. Range: -30" Hg/0/30 PSI. -100 Kpa/+100Kpa. KF25.	1	80.00	NEW
Festo		Weksler Bourdon manometer. Range 30 IN-HG. VCR.	7	60.00	NEW









SENSORES DE VACÍO, EXCEDENTES NUEVOS Y USADOS

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
Hastings DV-6M		Thermocouple DV-6M. Also known as: RIBER JTC-6T.	1	60.00	NEW
622A01TBE		MKS Baratron 1 Pa Serie: 00765634	1	300.00	Used. Sold "AS IS"
622A01TBE		MKS Baratron 1 Pa Serie: 00765703	1	300.00	Used. Sold "AS IS"
722A11TCD2FA		MKS Baratron 10 Pa.	1	220.00	Used. Sold "AS IS"
953		Gauge Controller.	1	250.00	Used. Sold "AS IS"

SENSORES DE VACÍO, EXCEDENTES NUEVOS Y USADOS

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
258B		MKS Mass flow meter 200 sccm max. 0258B-00200SV.	2	600.00	Calibrated at MKS 3/99. Used. Sold "AS IS"
0358C-00100SV		MKS Mass flow controller high accuracy 100 sccm.	1	800.00	Calibrated 3/99. Used. Sold "AS IS"
FC2900V		Tylan Mass flow controller 60 sccm for Ar or N2 with VCR4 flanges.	4	600.00	Tested. Used. Sold "AS IS"
250C-1-A		MKS Pressure controller . No pressure display.	3	900.00	Used. Sold "AS IS"
250C-1-A		MKS Gas inlet/pressure controller without display.	1	1,300.00	NEW
PR4000-F2V1N		PR 4000 Digital Power Supply and Readout, dual channel RS232 Serial No. G17821G40.	1	1,033.20	Used. Sold "AS IS"
3152342-000E		MDX500 Advanced Energy Serial No. 192113.	0	2,493.75	Used. Sold "AS IS"
MDX 10K		ADVANCED ENERGY 10 Kwatt sputtering DC power supply.	1	7,000.00	Used. Sold "AS IS"
DCR 20-25B		Add US\$ 1,990 for control panel. SORENSEN 20 V, 25 amps DC power supply (220 V).	1	600.00	Used. Sold "AS IS"
EJTALXX401A4		Aluminum Circular Sputter Target (1.0" Diameter x 0.250" Thickness 99.99% pure).	3	70.00	NEW
EJTFOX302A2		Ferric Oxide Circular Sputter Target (2.0" Diameter x 0.125" Thickness, 99.9% pure).	1	343.00	Ferric Oxide Circular Sputter Target (2.0"
EJTTINX254A2		Titanium Nitride Circular Sputter Target (4.0" Diameter x 0.125" Thickness, 99.5% pure).	2	770.00	Diameter x 0.125" Thickness, 99.9% pure).
EJTWGXX254A2		Tungsten Carbide Circular Sputter Target (4.0" Diameter x 0.125" Thickness, 99.95% pure).	1	1,106.00	NEW

USED VACUUM DEPOSITION ACCESSORIES



PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
EJTYBCO301A4		Yttrium Barium Cuprate Circular Sputter Target (1.0" Diameter x 0.250" Thickness 99.9% pure).	2	525.00	NEW
EJTNXX401A2		Zinc Target, ZN, 99.99% Pure, 1" Diameter X 0.125" Thick.	1	80.00	NEW
EJZROX301A4		Zirconium Oxide Circular Sputter Target (1.0" Diameter x 0.250" Thickness, 99.9% pure).	1	273.00	NEW
EJZRXX271A4		Zirconium Circular Sputter Target (1.0" Diameter x 0.250" Thickness, 99.2-99.7% (Grade 702) pure).	1	112.00	NEW
EVS22010W		Tungsten notched boat heater, 5/PKG, 3"L x 3/4"W x 1/8" DEEP-1".	18	63.00	NEW
EVSME4005W		Tungsten dimple boat for microelectronics, 1/2" wide x 1 7/8" long x .005" thick.	1	20.02	NEW
EVS6010W		Tungsten pan dimple evaporation boat. 3" L * 3/4 W * 1/8" deep.	1	51.80	NEW
EVS31A010W		Tungsten elongated dimple evaporation boat. 2" L* 1/2" W * .15 deep. 3 pieces.	1	38.00	NEW

USED VACUUM DEPOSITION ACCESSORIES





PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
221SD		Mechanical Rotary Vane Pump Alcatel 2021SD.	6	1,870.15	Refurbished
DUO 016 B		Mechanical Rotary Vane Pump Pfeiffer Balzers.	18	1,559.40	Refurbished
D10E		Trivac Leybold Rotary Vane Pump.	12	1,322.10	Refurbished
TMH 261 P		Turbo Molecular Drag Pump with TC 600 Pfeiffer.	7	4,187.50	Used Sold "AS IS"
DAA - V110 - EB		GAST Dry Pump.	2	743.75	Used Sold "AS IS"
104199		ALCATEL . Model OME25HP pump exhaust filter for high pressure applications.	1	300.00	Like new
ATP150		Turbomolecular Pump ATP 150, standard, without cooling, ISO K.	1	4,018.75	Refurbished
84361R		EBARRA cryogenic pump model 84361R. 8.5 " OD flange, 7.5 ID, 12" length.	1	2,200.00	Sold "AS IS"
840362		EBARRA cryogenic pump model 84036 , 0323-104500. 16 " OD flange, 12" ID, 24" length. 5000 l/s.	1	3,300.00	Sold "AS IS"
Absorbers		Spares for APD Helium compressors	1	600.00	
PEG2000		RIBER 200 l/s ion pump with integrated 4 filaments sublimator and cryopanel. CF 8".	1	4,500.00	
PI400TTZ		400 l/s ion pump. RIBER PI400 TTZ. CF 8".	1	4,000.00	Used. Sold "AS IS"
MECA200		200l /s ion pump. MECA 2000. CF 2.75".		3,600.00	Used. Sold "AS IS"

SURPLUS AND USED VACUUM PUMPS

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
PI25		25 l/s ion pump RIBER PI25. CF 8".	1	1,200.00	Used. Sold "AS IS"
304		TITANIUM SUBLIMATOR 50A, 6 POSITIONS. RIBER 304.	3	1,300.00	NEW
304		TITANIUM SUBLIMATOR 50A, 6 POSITIONS. RIBER 304.	2	1,100.00	Used. Sold "AS IS"
302		Titanium sublimator 50A, 4 positions. Riber 302 .	1	1,000.00	New timer. Used. Sold "AS IS"
302		Titanium sublimator 50A, 4 positions. Riber 302 .	1	1,000.00	Used. Sold "AS IS"
V250-ISO		Varian V250 Turbo ISO100 without controller.	1	1,000.00	Used. Sold "AS IS" or need repair. Add 2,700 for repair.
V250-CF		Varian V250 Turbo CF6" without controller.	1	1,000.00	Used. Sold "AS IS" or need repair. Add 2,700 for repair.
DUO120		Balzers 120 m3/h rotary vanne pump with direct coupling motor. Add 2,000 for refurbishing	1	3,500.00	Add 2,000 for refurbishing
DUO170		Balzers 170 m3/h rotary vanne pump (not direct coupling motor).	1	2,000.00	Used. Sold "AS IS" Add 4,000 for refurbishing
Pfeiffer-7000//s		Pfeiffer 7000 l/s difusion pump ISO MF 14.5" OD with baffle.	1	5,500.00	Used. Sold "AS IS"
cryopanel		Cryogenic panel on CF 4.5" flange.noble gases.	1	800.00	NEW
S/N		Ion Pump Cable	2		
S/N		Spare parts for riber or cameca diaphragm pump.	1	135.00	

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
936-61		Helium leak detector Varian 936-61. Needs pumps and repair-reclaibration. Sold "AS IS".	1	2,000.00	Needs pumps and repair-reclaibration. Sold "AS IS".
936-71SP		Helium leak detector Varian 936-71SP. Needs pumps and repair-reclaibration. Sold "AS IS".	1	2,000.00	Needs pumps and repair-reclaibration. Sold "AS IS".

INTERCOVAMEX SURPLUS AND USED LEAK DETECTORS AND ACCESSORIES

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
PM600		Manipulator Ribber TUM2 with heater, XYZ Rotation no tilt.Used.	1	3,500.00	Used. Sold "AS IS"
RIB007		Rotary feedthrough CF 1.33 with bellow. No handle. Used. Sold "AS IS"	1	100.00	Used. Sold "AS IS"
MTLP25		Rotary Feedthrough Ribber MTLP25. NEW.	1	500.00	NEW
45616387		Rotary motion feedthrough CF 1.33. Meca 2000-Cameca. NEW	1	400.00	NEW

SURPLUS AND USED MANIPULATORS AND
MOTION FEEDTHROUGHS

PART NUMBER

FOTO

DESCRIPTION

IN STOCK

EXWORKS
ICMX CVACA.

CONDITIONS

324



Optical coater Metal Lux Model 324.

1

ASK

Refurbished.

Base plate



Base plate and metal bell jar of system 324. without pumping not accesories

1

6,000.00

BAK550







Balzers vacuum evaporator BAK550. Refurbished

1

ASK

Refurbished.

DEPOSITION SYSTEMS

PART NUMBER	FOTO	DESCRIPTION	IN STOCK	EXWORKS ICMX CVACA.	CONDITIONS
YORK		YORK water to water cooler.	1	500.00	Used. Sold "AS IS"
RS752XXDD4		KINETICS air cooled chiller. Used. 500 W capacity. 3.3 gpm. 208-240V 60 Hz, 1 phase, 15A. 1925671-101 revB. SN 18051.	1	500.00	Used. Sold "AS IS"
QUV T8		UV eraser . Tool to erase programmable memories. Model QUV T8.	1	50.00	Used. Sold "AS IS"
Allmax		AllMax universal programmer.	1	50.00	Used. Sold "AS IS"

SURPLUS & USED CHILLERS + MISCELLANEOUS ITEMS

