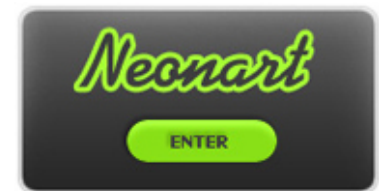


### Tecnolux Vacuum System TVS1

Description	Code	u. m.
	TVS1	Nr.



Borosilicate Glass Manifold with pneumatically actuated Teflon® Valves  
 3 Rare gas Transfer Systems utilizing disposable 12 lt. cylinder  
 Two-Stage Rotary Vane Pump (5,4 m3/h.- mbar 2.10-3)  
 Oil Diffusion Pump  
 Diffusion Pump Controller  
 Capsule dial gauge (0-50 mbar) for monitoring pressure.  
 Digital Vacuum Gauge controller Pirani (mbar 10-3)  
 Digital Milliamp Gauge  
 Digital Voltmeter  
 1 Liter buffer vessel  
 Bombarder 20 kV - 0,8 A  
 Electronic current control  
 Grounding electrood  
 Infrared barrier security system  
 Dimensions cm.160x66x60 weight Kg. 250  
 Power input: 115/230/380V, Hz.50/60



**Double security system.**

- 1) Emergency switch on the control panel will disable all the machine's functions (except the pneumatics).
- 2) Adjustable infrared control barrier instantly switches off the bombarder when a person or object enters the bombarding field, virtually eliminating the risk of electrical shock. The entire electrical system including the bombarding transformer conveniently connects to your electrical system with a single plug.

### Tecnolux Vacuum System TVS2

Description	Code	u. m.
	TVS2	Nr.




Borosilicate Glass Manifold with pneumatically actuated Teflon® Valves  
**N° 2** Bombarder 20 kV - 0,8 A  
 3 Rare gas Transfer Systems utilizing disposable 12 lt. cylinder  
 Two-Stage Rotary Vane Pump (5,4 m3/h.- mbar 2.10-3)  
 Oil Diffusion Pump  
 Diffusion Pump Controller  
 Capsule dial gauge (0-50 mbar) for monitoring pressure.  
 Digital Vacuum Gauge controller Pirani (mbar 10-3)  
 N°2 Digital Milliamp Gauge  
 N°2 Digital Voltmeter  
 1 Liter buffer vessel  
 Electronic current control  
 Grounding electrood  
 Infrared barrier security system  
 Dimensions cm.160x66x60 + n° 2 External Bombarder;weight Kg. 400  
 Power input: 115/230/380V, Hz.50/60


**Double security system.**

- 1) Emergency switch on the control panel will disable all the machine's functions (except the pneumatics).
- 2) Adjustable infrared control barrier instantly switches off the bombarder when a person or object enters the bombarding field, virtually eliminating the risk of electrical shock. The entire electrical system including the bombarding transformer conveniently connects to your electrical system with a single plug.


### Tecnolux Vacuum System MINIMAL

Description	Code	u. m.
 <p>Borosilicate Glass Manifold with 3 Rare gas Transfer Systems utilizing disposable 12 lt. cylinder 2 Bellows Hose and one sided glass and o-ring compression fitting is ideal formaking connection between manifold and neon units 2 Stopcock (Pyrex) Oil for "U" gauge 1 "U" Gauge assembly Dimensions cm. 60x40 weight Kg. 4</p>	TVS3	Nr.

### Tecnolux Vacuum System BASIC

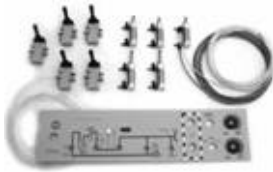
Description	Code	u. m.
 <p>Borosilicate Glass Manifold with 3 Rare gas Transfer Systems utilizing disposable 12 lt. cylinder 2 Bellows Hose and one sided glass and o-ring compression fitting is ideal for making connection between manifold and neon units 1 "U" Gauge assembly 3 Stopcock (Pyrex) 1 Grouding electrod Oil for "U" gauge Dimensions cm. 60x40 weight Kg.5</p>	TVS4	Nr.

### Tecnolux Vacuum System Diffusion Pump UPGRADING (BASIC)

Description	Code	u. m.
 <p>Preliminary vacuum section, with 2 stopcok (Pyrex) Diffusion pump - Silicon oil for diffusion pump Electronic controller to maintain consistent pump oil temperature (3-digit Led display). With Thermocouple, operates at 110V or 230 V Heater 50W 230VWith Power supply 1 Liter buffer vessel Teflon pipe</p>	TVS4A	Nr.

### Tecnolux Vacuum System Pneumatic Activators UPGRADING (BASIC)

Description	Code	u. m.
Pneumatic valves Manupole Valves	TVS4B	Nr.



Command Panel  
Meters of pipe for hight pressure  
5 Ways connection for high pressure air

## Vacuum Instruments

### Vacuum Gauge

Description	Code	u. m.
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Digital Pirani Vacuum Gauge with led readout displays millibar. NEPVG Nr.

Complete gauge includes a Thermocouple sensor with cable, displays preassure from 1.10<sup>-4</sup> to 2.10<sup>-1</sup> (NW 16 Flange)  
Also available in 120-230VAC 50-60Hz

### Grounding screen

Description	Code	u. m.
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Protects the Vacuum Gauge thermocouple from bombarder flashback damage by using this NW-16 flange TV035M Nr.

### Capsule Dial Gauge

Description	Code	u. m.
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Barometrically compensated 0-50 mbar pressure gauge. TV019M Nr.

Perfect for monitoring bombarding and backfilling pressure.

### "U" Gauge

Description	Code	u. m.
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Borosilicate Gas Pressure Gauge (manometer). TV049M Nr.

The "U" gauge oil manometer gives accurate readings of rare gas pressure. Supplied with scale (0-30 mbar) Connection to glass manifold with flange (NW16)



"U" gauge OIL




1 50 gr.




W097

Nr.

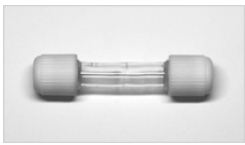
**Manifold Components**

**Bellows Hose and Compression fitting adapter**

Description		Code	u. m.
	Bellows Hose	NECHOS4-7	Nr.
	300mm. Teflon® and two sided glass and o-ring compression fitting ideal for making connection between manifold and neon units 4-7 mm Pyrex Glass (n°1 Teflon® compression fitting cap)		
	Bellows Hose	TV031M	Nr.
	300mm. Teflon® and one sided glass and o-ring compression fitting ideal for making connection between manifold and neon units 4-7 mm Pyrex Glass (n°1 Teflon® compression fitting cap)		
	Bellows Hose	NEBELHOSE	Nr.
	300mm. Teflon®		

Description		Code	u. m.
	Pyrex Glass, Viton® O-ring and compression fitting 4-7 mm	NECF4-7	Nr.
	Viton® O-ring 4-7 mm.	TV032M	Nr.
	Teflon® Compression Fitting Cap 4-7mm.	NETC4-7	Nr.
	These caps are rated for 260C° (500F°) continuous use and make ideal fittings for attaching neon units to compression fittings.		

Description		Code	u. m.
	Connection	NEDCL	Nr.



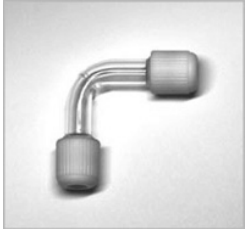
Straight double 4-7mm pyrex connection, complete with white teflon caps and viton o-rings. Useful fitting to connect a flexible teflon bellows hose and electrode tubulation.

Connection	NEDCV	Nr.
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"V" shaped double 4-7mm pyrex connection, complete with white teflon caps and viton o-rings. Useful fitting to connect a flexible teflon bellows hose and electrode tubulation.

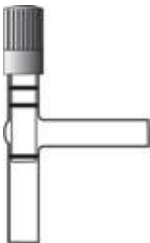

Connection	NEDCR	Nr.
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Right angle double 4-7mm pyrex connection, complete with white teflon caps and viton o-rings. Useful fitting to connect a flexible teflon bellows hose and electrode tubulation.

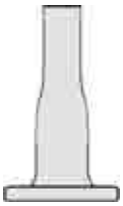


### Stopcocks

Description	Code	u. m.
 Stopcock 16 mm (Pyrex)	NEVEUR016	Nr.
Stopcock O-RING replacement kit VITON ( 3 x 16 mm )	NEOR16	Nr.
 Stopcock 8 mm (Pyrex)	NEVEUR08	Nr.

### Flange

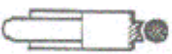


Description	Code Code (Lead free)	Code (Pyrex)	u. m.
 Flange blank NW 10 (Pyrex)	NEGFDN10LF	NEGFDN10	Nr.
Flange blank NW 16 (Pyrex)	NEGFDN16LF	NEGFDN16	Nr.
Flange blank NW 25 (Pyrex)	NEGFDN25LF	NEGFDN25	Nr.
These hose	TV044MLF	TV044M	Nr




adapter is made from glass with a flange at one end and a rubber tubing adapter at the other Ø 18 mm. / NW 25




Blind Flange NW 10 (Pyrex)	NEBGF10	Nr.
Blind Flange NW 16 (Pyrex)	NEBGF16	Nr.
Blind Flange NW 25 (Pyrex)	NEBGF25	Nr.

Description	Code	u. m.
 Alluminium Centering ring O-ring, NW 16	TV033M	Nr.
Alluminium Centering ring O-ring, NW 25	TV034M	Nr.
 Flangeclamp NW 16	TV004M	Nr.
 Flangeclamp NW 25	TV005M	Nr.

#### Diffusion Pump w/ Inboard Heater

Description	Code	u. m.
 Oil diffusion Pump (silicone oil)	TV014M	Nr.
Pyrex High-vacuum pump with internal, replaceable heating rod. NW25 fitting on high vacuum side and NW16 fitting on roughing side .With Thermocouple, capable of pumping 7-10 liters per second		
230V 100W With Power supply	TV003E	Nr.


#### Diffusion Pump Temperature Controller

 Electronic controller to maintain consistent pump oil temperature.	TV002E	Nr.
3-digit Led display.		
With Thermocouple, operates at 110V or 230 V		


#### Buffer Vessel

 1 Liter buffer vessel	TV015M	Nr.
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### High Vacuum Dual-stage Rotary Vane Vacuum Pump

Description	Code	u. m.
 <p>Data sheet (pdf 237 Kb)</p>	<p>Double stage rotary pump, nominal pumping speed 5,4 m3/h</p> <p>Ultimate total pressure closed gas ballast 2.10-3</p> <p>Inlet flange - Exhaust flange DN25</p> <p>Stainless steel reducing pipe (DN25/16), centering ring and O-ring</p> <p>Oil capacity l. 1.1</p> <p>Weight (max) kg. 21</p> <p>Max ambient temperature °C 45</p> <p>Electrical motor Power input: 115/230V, Hz.50/60</p>	Nr.
	TV001E	

### Flexible stainless

Description	Code	u. m.
	Flexible stainless steel connection, 500 mm. (DN16)	Nr.
	TV022M	

### Molecular Drag Pump

Description	Code	u. m.
	Ultimate pressure up to mbar 1.10-6 - exhaust flange DN16 - appropriate filter -	Nr.
	Rotational speed 27.000 rpm - Electronic Controller (CVF100)Power supply 115/240V Hz.50/60-(5011)	
	NEDRAPUMP	

### Vacuum fluids

Description	Code	u. m.
<b>Silicone Oil</b>	Oil for diffusion pump and "U" gauge oil manometer 50 gr.	Nr.
	W097	
<b>Paraffin based Mineral OIL</b>	Mechanical vacuum pump OIL for <i>rotary pump</i> (Type A120) 2 Liters bottle	Nr.
	W096	

Next

