

ENGLISH



Customer product  
manual P/N 10128

Release 03/2026



Low pressure dense phase conveying system

# NEA 340

## COMPACT

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## Contact us

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## Safety

Read and follow these safety instructions. Task-and equipment-specific warnings, cautions, and instructions are included in equipment documentation where appropriate.

Make sure all equipment documentation, including these instructions, is accessible to all persons operating or servicing equipment.

## Qualified Personnel

Equipment owners are responsible for making sure that Vere Technology equipment is installed, operated, and serviced by qualified personnel. Qualified personnel are those employees or contractors who are trained to safely perform their assigned tasks. They are familiar with all relevant safety rules and regulations and are physically capable of performing their assigned tasks.

## Intended Use

Use of NEA 340 COMPACT equipment in ways other than those described in the documentation supplied with the equipment may result in injury to persons or damage to property.

Some examples of unintended use of equipment include

- using incompatible materials
- making unauthorized modifications
- removing or bypassing safety guards or interlocks
- using incompatible or damaged parts
- using unapproved auxiliary equipment
- operating equipment in excess of maximum ratings

## Regulations and Approvals

Make sure all equipment is rated and approved for the environment in which it is used. Any approvals obtained for Vere Technology equipment will be voided if instructions for installation, operation, and service are not followed.

All phases of equipment installation must comply with all federal, state, and local codes.

## Personal Safety

To prevent injury follow these instructions.

- Do not operate or service equipment unless you are qualified.
- Do not operate equipment unless safety guards, doors, or covers are intact and automatic interlocks are operating properly. Do not bypass or disarm any safety devices.
- Keep clear of moving equipment. Before adjusting or servicing any moving equipment, shut off the power supply and wait until the equipment comes to a complete stop. Lock out power and secure the equipment to prevent unexpected movement.
- Relieve (bleed off) hydraulic and pneumatic pressure before adjusting or servicing pressurized systems or components. Disconnect, lock out, and tag switches before servicing electrical equipment.
- Obtain and read Material Safety Data Sheets (MSDS) for all materials used. Follow the manufacturer's instructions for safe handling and use of materials, and use recommended personal protection device
- Grounding inside and around the booth openings must comply with NFPA requirements for Class 2, Division 1 or 2 Hazardous Locations. Refer to NFPA 33, NFPA 70 (NEC articles 500, 502, and 516), and NFPA 77, latest conditions.
- To prevent injury, be aware of less-obvious dangers in the workplace that often cannot be completely eliminated, such as hot surfaces, sharp edges, energized electrical circuits, and moving parts that cannot be enclosed or otherwise guarded for practical reasons.

## Fire Safety

To avoid a fire or explosion, follow these instructions.

- Do not smoke, weld, grind, or use open flames where flammable materials are being used or stored.
- Provide adequate ventilation to prevent dangerous concentrations of volatile materials or vapors. Refer to local codes or your material MSDS for guidance.
- Do not disconnect live electrical circuits while working with flammable materials. Shut off power at a disconnect switch first to prevent sparking.
- Know where emergency stop buttons, shutoff valves, and fire extinguishers are located. If a fire starts in a spray booth, immediately shut off the spray system and exhaust fans.
- Clean, maintain, test, and repair equipment according to the instructions in your equipment documentation.
- Use only replacement parts that are designed for use with original equipment. Contact your Vere Technology representative for parts information and advice.

## Grounding



**WARNING:** Operating faulty electrostatic equipment is hazardous and can cause electrocution, fire, or explosion. Make resistance checks part of your periodic maintenance program. If you receive even a slight electrical shock or notice static sparking or arcing, shut down all electrical or electrostatic equipment immediately. Do not restart the equipment until the problem has been identified and corrected

- All electrically conductive objects in the spray areas shall be electrically connected to ground with a resistance of not more than 1 megohm as measured with an instrument that applies at least 500 volts to the circuit being evaluated.
- Equipment to be grounded includes, but is not limited to, the floor of the spray area, operator platforms, hoppers, photoeye supports, and blow-off nozzles. Personnel working in the spray area must be grounded.
- There is a possible ignition potential from the charged human body. Personnel standing on a painted surface, such as an operator platform, or wearing non-conductive shoes, are not grounded. Personnel must wear shoes with conductive soles or use a ground strap to maintain a connection to ground when working with or around electrostatic equipment.
- Operators must maintain skin-to-handle contact between their hand and the gun handle to prevent shocks while operating manual electrostatic spray guns. If gloves must be worn, cut away the palm or fingers, wear electrically conductive gloves, or wear a grounding strap connected to the gun handle or other true earth ground.
- Shut off electrostatic power supplies and ground gun electrodes before making adjustments or cleaning powder spray guns.
- Connect all disconnected equipment, ground cables, and wires after servicing equipment.

## Action in the Event of a Malfunction

If a system or any equipment in a system malfunctions, shut off the system immediately and perform the following steps:

- Disconnect and lock out electrical power. Close pneumatic shutoff valves and relieve pressures
- Identify the reason for the malfunction and correct it before restarting the equipment.

## Disposal

Dispose of equipment and materials used in operation and servicing according to local codes.

## Description

See Figure 1

The NEA 340 COMPACT (Dense Phase Low Pressure) powder pump transports large amounts of powder from one location to another.

The pump design and the small diameter suction and delivery tubing used with the pump allow it to be purged quickly and thoroughly.

The pump is more efficient than traditional venturi-style pumps in that very little of the air that is used to operate the pump is mixed into the powder stream. Only the air that is used to move the powder out of the pump and into the delivery tubing enters the powder stream.

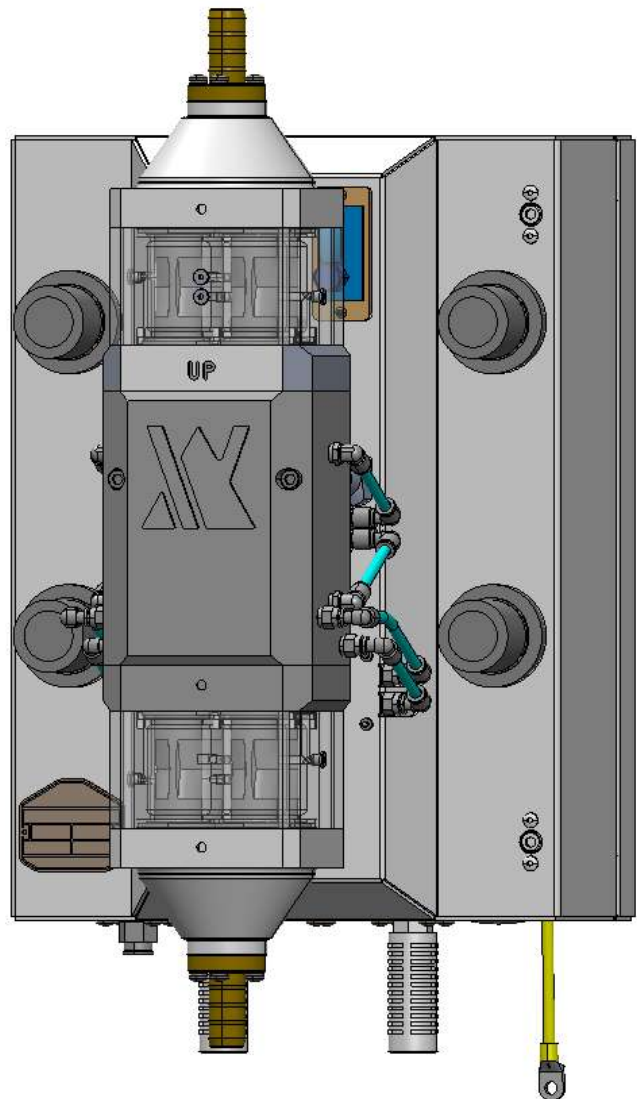


Figure 1  
Dense phase pump

## High capacity pump components NEA 340 COMPACT

See figure 2.

n° Item	Description	Function
<b>Air control components</b>		
<b>01 - 02</b>	Timer T0.5 (01 left - 02 right)	Check the operating sequences of the following components: valves activation cycle control, valves control fluid tubes and valve control sleeve valves
<b>03</b>	Regulator and pressure gauge (SUPPLY)	Adjust the closing pressure 0.6 Mpa (6 bar)
<b>04</b>	Regulator and pressure gauge (VACUUM))	Adjust the vacuum pressure Max flow rate 0.48 Mpa (4.8 bar)
<b>05</b>	Regulator and pressure gauge (PINCH VALVES)	Adjust the closing pressure of the sleeve valves to 0:24 to 0:27 Mpa (2.4-2.7 bar).
<b>06</b>	Regulator and pressure gauge (TRANSPORT)	Adjust the product transport pressure See product data sheet pag.6**
<b>A</b>	PV 1 : management valve cycle NEA PUMP	
<b>B</b>	PV 2: management valve pinch valve	
<b>C-E</b>	VACUUM GENERATORS	
<b>D</b>	PV 3: management valve right tubes	
<b>F</b>	PV 4: management valve left tubes	
<b>G-H</b>	Silencers	It allows silent operating an air outlet of the pump.

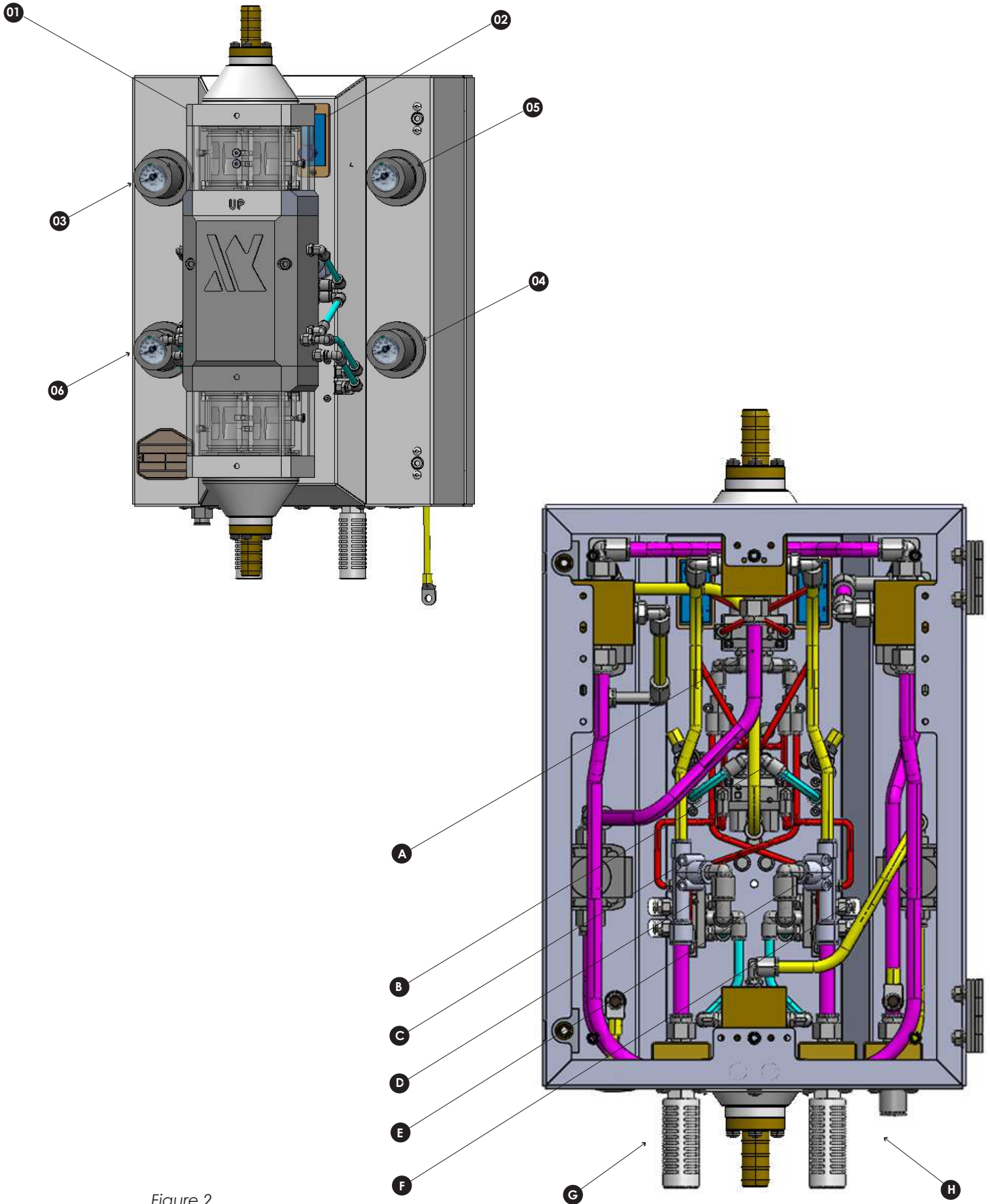


Figure 2  
Pump Components  
(Internal, cover removal)

## Product data sheet

PARTICLE SIZE - MICRONS (µm)	PARTICLE SPECIFIC WEIGHT	TRANSPORT DISTANCE (m)	SET UP TRANSPORT PRESSURE (Mpa)
10 - 150	LOW	5	0.1 - 0.15
		10	0.1 - 0.2
10 - 150	MEDIUM	20	0.1 - 0.25
		30	0.1 - 0.3
10 - 150	HIGHT	5	0.15 - 0.25
		10	0.15 - 0.25
150 - 400	MEDIUM	20	0.15 - 0.3
		30	0.15 - 0.35
150 - 400	HIGHT	5	0.15 - 0.25
		10	0.15 - 0.3
150 - 400	MEDIUM	20	0.2 - 0.35
		30	0.2 - 0.4
400 - 700	LOW	5	0.2 - 0.3
		10	0.2 - 0.3
400 - 700	MEDIUM	20	0.2 - 0.4
		30	0.2 - 0.4
400 - 700	HIGHT	5	0.2 - 0.3
		10	0.2 - 0.3
700 - 1000	MEDIUM	20	0.2 - 0.4
		30	0.2 - 0.4
700 - 1000	HIGHT	5	0.2 - 0.3
		10	0.2 - 0.3
700 - 1000	MEDIUM	20	0.2 - 0.4
		30	0.2 - 0.4
700 - 1000	HIGHT	5	0.2 - 0.3
		10	0.2 - 0.3
700 - 1000	MEDIUM	20	0.2 - 0.4
		30	0.2 - 0.4

## Principle of operation

### Pumping

The pump NEA 340 COMPACT is composed of four tanks that alternate in a continuous cycle 2+2 stroke collection and transport of the powder.

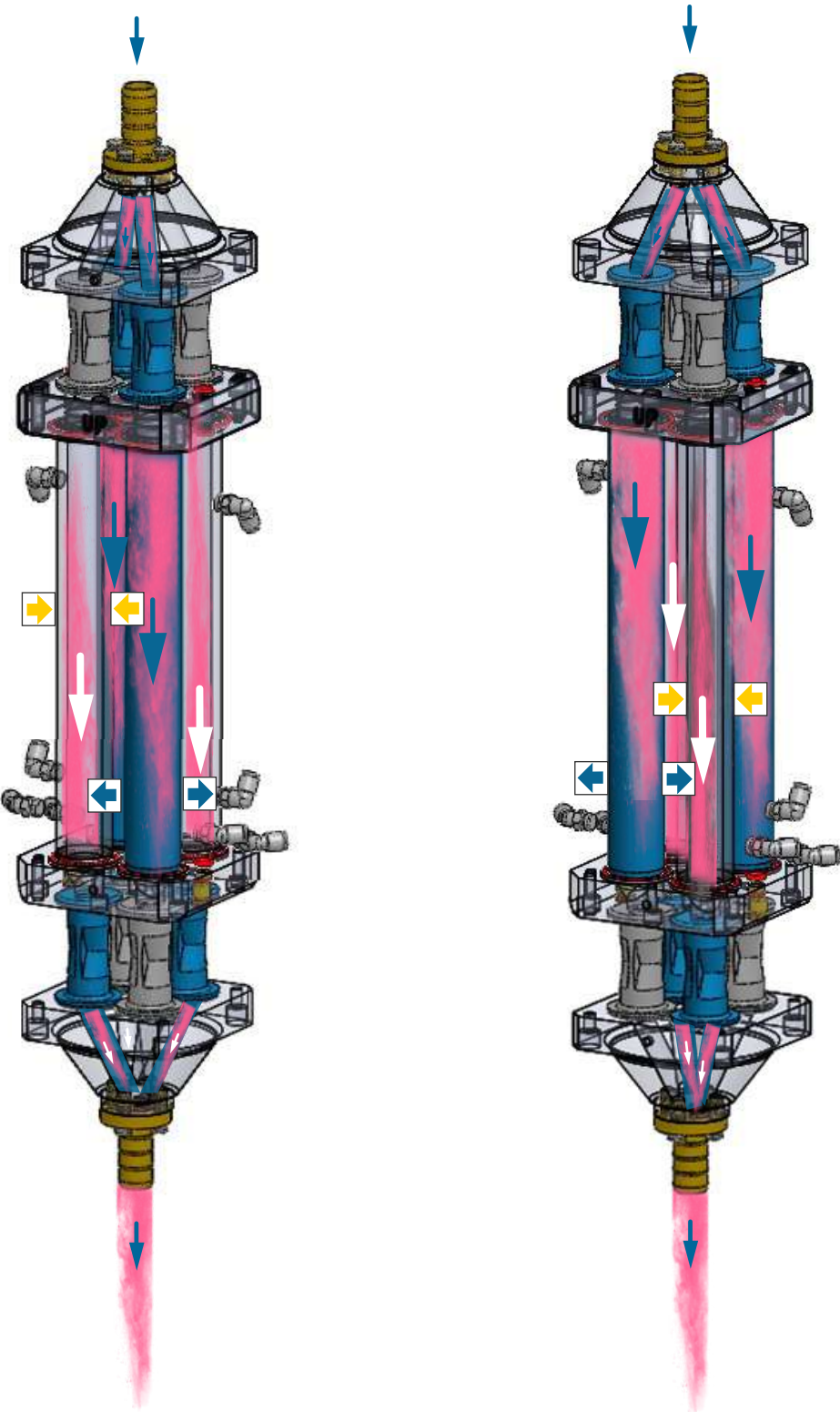
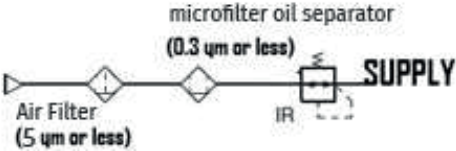


Figure 3  
Operating principle - Pumping

◀ ▶ Vacuum    ▶ ◀ Pressure    ■ OPEN    ■ CLOSED

## Technical data

Flow rate (max)	UP TO: 4 kg/min.
General Supply pressure (min.)	0.6 Mpa (6 bar)
General Supply pressure (max.)	0.8 Mpa (8 bar)
Regulator supply - working pressure	0.6 Mpa (6 bar)
Regulator Pinch valve - working pressure	0.24 - 0.27 Mpa (2,4 -2,7 bar)
Regulator Vacuum - working pressure	100% - 0.48 Mpa (4,8 bar) to reduce the flow rate, decrease the pressure
Regulator Transport - working pressure	See product data sheet (Pag 6)
Total air consumption	400l /min
Filtered compressed air with the following properties	
Permissible humidity: 95% non-condensing	
Operating ambient temperature from +15 to +40	
Intake tube	POLYETHYLENE : D. INT. 16 mm (LONG MAX 6m) ANTISTATIC : D. INT. 16 mm (LONG MAX 6m) BEST RESULT OBTAINABLE USING THE SHORTEST POSSIBLE HOSE
Transporte tube	POLYETHYLENE : D. INT. 16 mm (LONG MAX 30 m) ANTISTATIC : D. INT. 16 mm (LONG MAX 30 m) BEST RESULT OBTAINABLE USING THE SHORTEST POSSIBLE HOSE
Weight/dimensions	Kg 17.5 - See figure 5

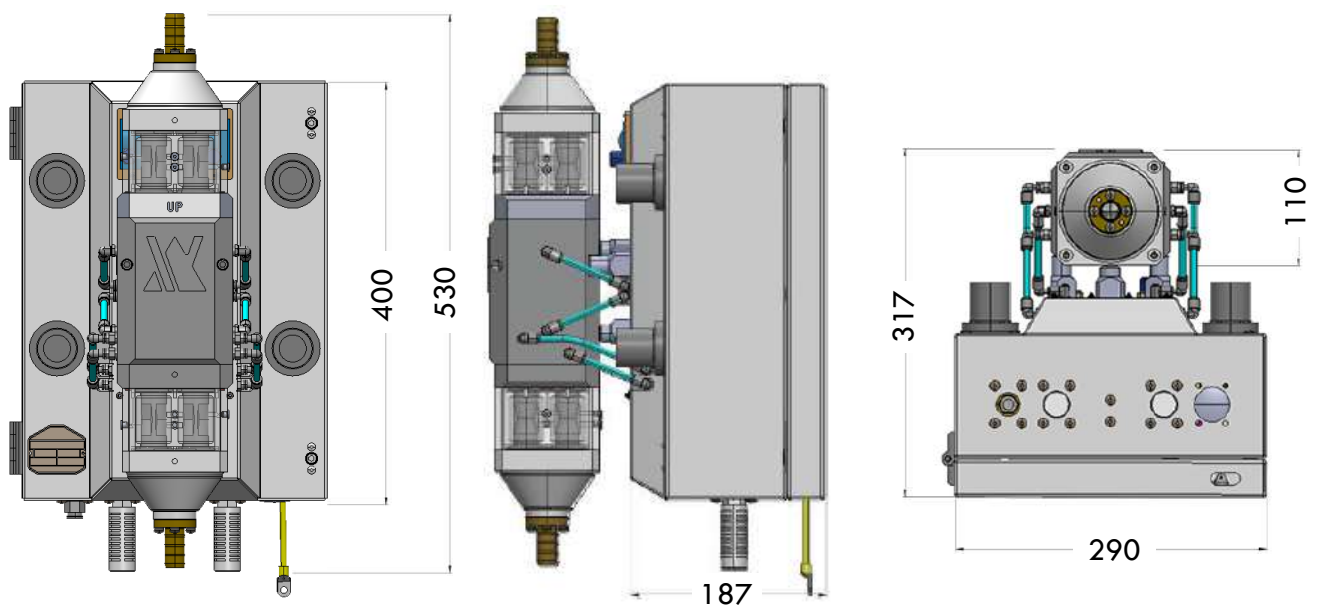


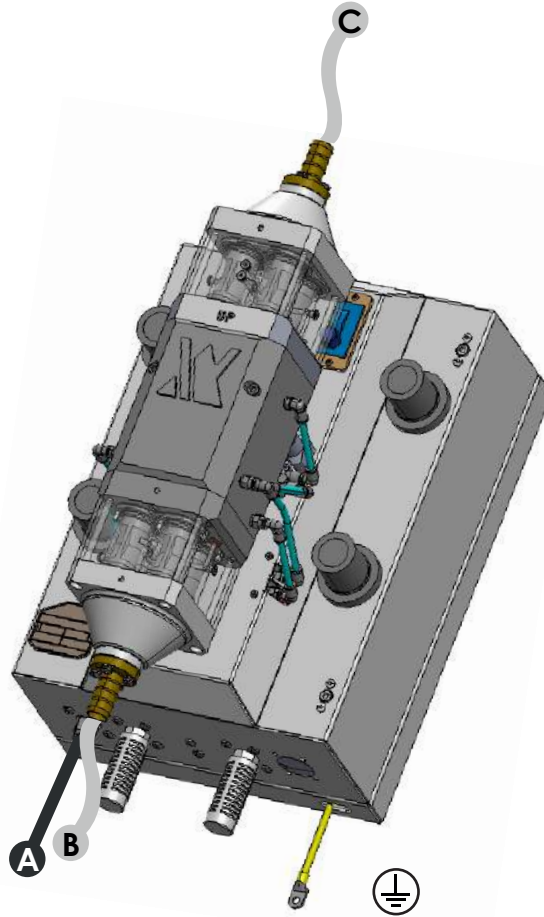
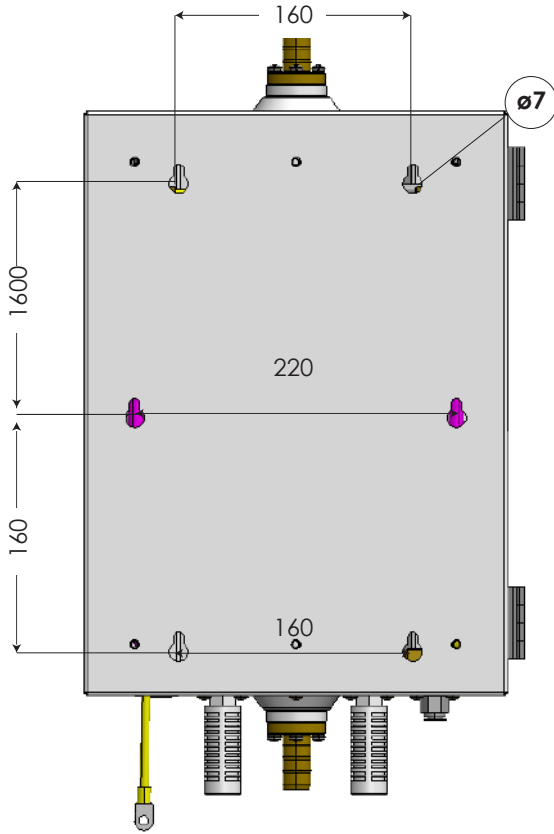
Figure 4 Pump dimensions

## Installation



**WARNING:** The pump must be securely connected to a true earth ground. Failure to ground the pump could result in a fire or explosion.

**NOTE:** The pump is normally mounted on a panel that includes an operating air regulator, and a manual pushbutton and piloted-operated air valve for manual purging. The panel may also include an auxiliary regulator for fluidizing the powder source.



### Panel Mounting Dimensions

Use the supplied M6 screws, washers, and nuts to mount the pump.

**NOTE:** Included are 6 mounting holes and 1 set of  $\varnothing 7$  fasteners. Use the six mounting holes that best match your mounting surface.

### Tubing Connections

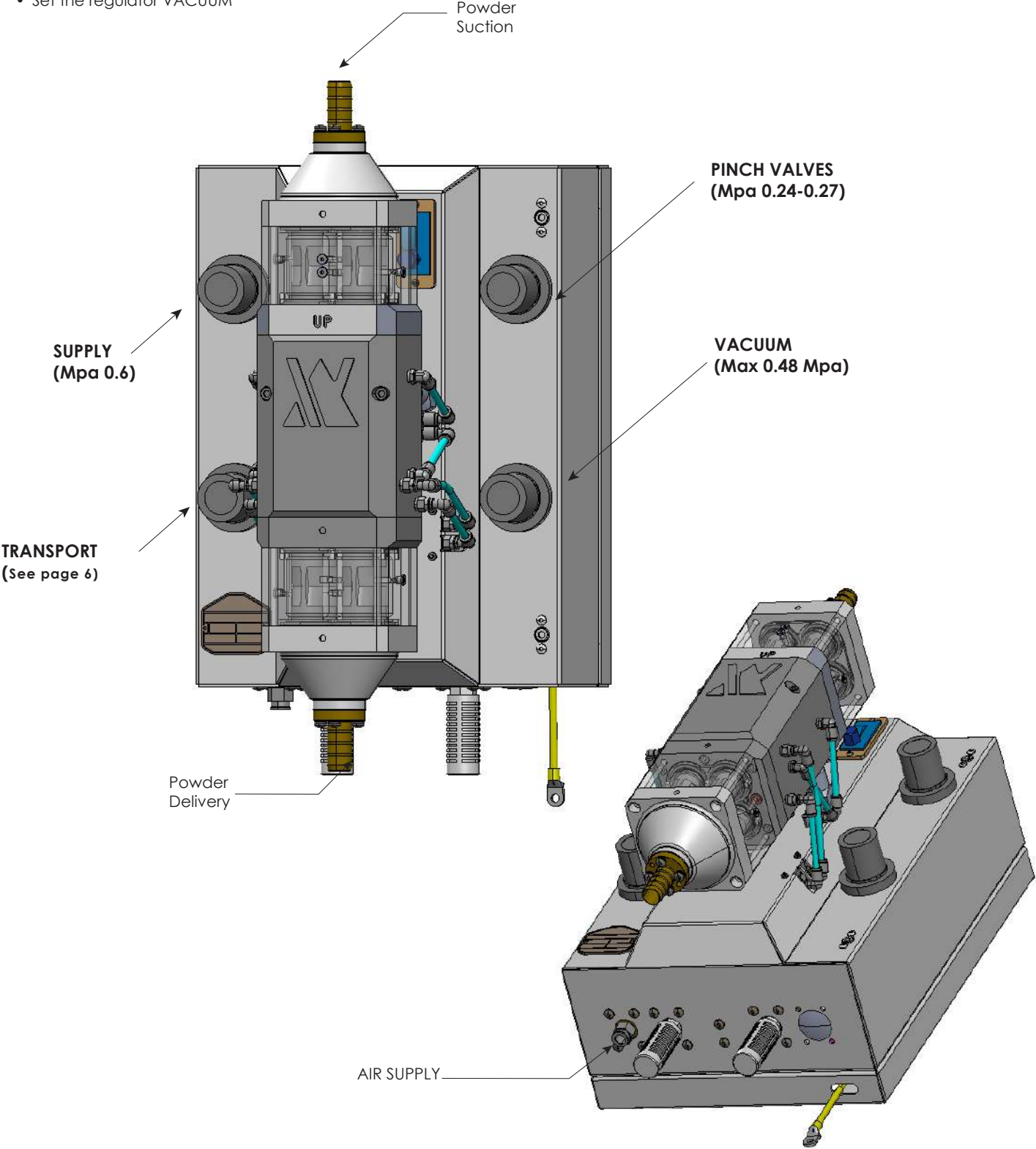
**NOTE:** For best results, keep the powder suction and delivery tubing as short as possible.

CONNECTION	TYPE	FUNCTION
<b>A</b>	12 mm blue polyurethane tubing	From customer-supplied purge air source 7 bar (0.7 Mpa) max.
<b>B</b>	POLYETHYLENE : $\varnothing$ INT. 16 mm (LONG MAX 30m) ANTISTATIC : $\varnothing$ INT. 16 mm (LONG MAX 30m)	To powder destination
<b>C</b>	POLYETHYLENE : $\varnothing$ INT. 16 mm (LONG MAX 6m) ANTISTATIC : $\varnothing$ INT. 16 mm (LONG MAX 6m)	From powder source
	Pump ground wire	To earth ground

## Operation

See figure 8.

- To start the pump turn on the air supply operation (min 0.6 Mpa (6 bar)). Set the regulator SUPPLY at 0.6Mpa (6 bar).
- Set the regulator TRANSPORT
- Set the regulator PINCH VALVES
- Set the regulator VACUUM




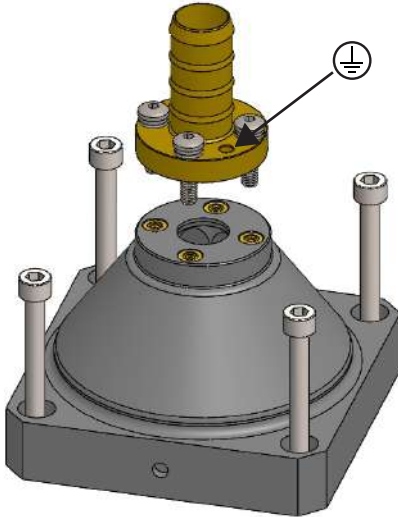

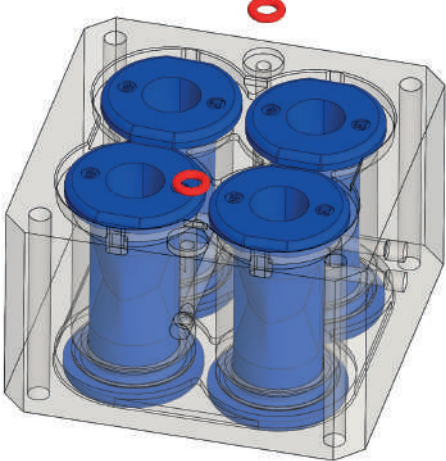
## Maintenance

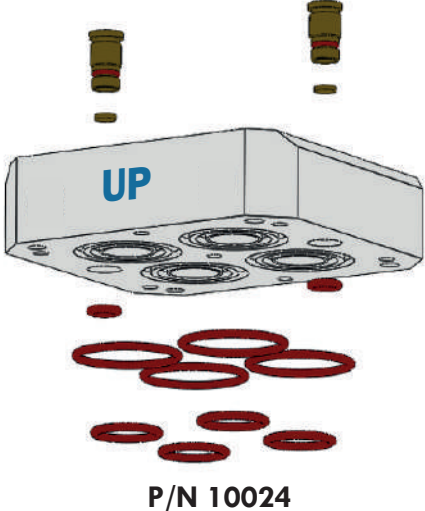
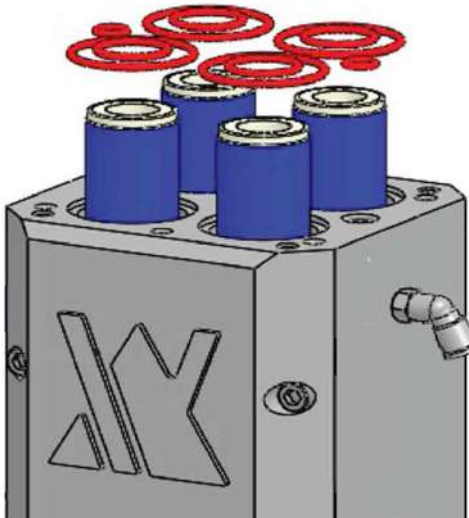
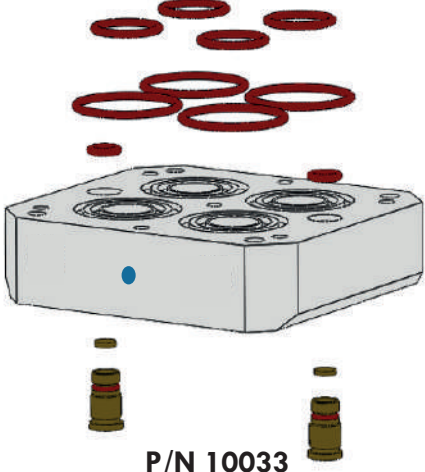
Perform these maintenance procedures to keep your pump operating at peak efficiency.



**WARNING:** Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

**NOTA:** You may have to perform these procedures more or less frequently, depending on factors such as operator experience and type of powder used.

Frequency	P/N	Procedure
<p><b>Every four Months or Each Time You Disassemble the Pump</b></p> <p> Perform maintenance on both NORD+SOUTH components</p>	 <p><b>P/N 10084</b></p>	<p>Remove the INLET-OUTLET BODY from the assembly pump and check if you show signs of wear or sintering.</p> <p>If necessary, clean these components with an apparatus for ultrasonic cleaning</p>
<p><b>Daily</b></p> <p> Perform maintenance on both NORD+SOUTH components</p>	 <p><b>P/N 10005-XX</b></p>	<p>Inspect the PINCH VALVES BODY for signs of powder leakage.</p> <p>If you see powder in the pinch valve body or stress cracks in the pinch valves, replace the pinch valves.</p>

Frequency	P/N	Procedure
<p>Every four Months or Each Time You Disassemble the Pump</p>	 <p>P/N 10024</p>	<p>Remove the body from the assembly INTERMEDIATE (INLET) pump and check if you show signs of wear or sintering. If necessary, clean these components with an apparatus for ultrasonic cleaning.</p>
<p>Every four Months or Each Time You Disassemble the Pump</p>	 <p>P/N 10141</p>	<p>Remove the fluidizing tubes and check structural conformity. In case of defects or damage, replace the pipes.</p>
<p>Every four Months or Each Time You Disassemble the Pump</p>	 <p>P/N 10033</p>	<p>Remove the body from the assembly INTERMEDIATE (OUTLET) pump and check if you show signs of wear or sintering. If necessary, clean these components with an apparatus for ultrasonic cleaning.</p>

## Diagnostics

Problem	Possible cause	Corrective action
<b>1. Reduced powder output from the conveying tube (The pinch valves open and close)</b>	<i>Blockage in pipe to destination Air transport set too high</i>	Check the Transport tube for blockages. Remove the tube and purge with compressed air.
	<i>Carrier air set too high</i>	Decrease air pressure transport.
	<i>Carrier air set too low</i>	Increasing the air pressure transport.
	<i>Dust extraction set</i>	Decrease the Vacuum pressure (Max 0.48 Mpa).
	<i>Dust extraction set</i>	Increase the Vacuum pressure (Max 0.48 Mpa).
	<i>Pinch valve defective or damaged</i>	Replace the pinch valves
	<i>Fluidizing tubes defective or damaged</i>	Replace the fluidizing tubes
	<i>PV3 carrier air valve not working</i>	<p>See Pipe Diagrams. Turn off the pump and unplug the pipes connected to the pump body. Turn on the pump and check if i pipes exhibit pressure alternation of positive and negative air. regulator/pressure gauge: Transport Reg. + Vacuum Reg. If there is no pressure, replace the valve.</p> <p>If the valve works, but you can't hear it positive or negative air pressure in the pipes, check if they are blockages in the air lines that They go in and out of the valve.</p>
<i>PV4 carrier air valve not working</i>	<p>See Pipe Diagrams. Turn off the pump and unplug the pipes connected to the pump body. Turn on the pump and check if i pipes exhibit pressure alternation of positive and negative air. regulator/pressure gauge: Transport Reg. + Vacuum Reg. If there is no pressure, replace the valve.</p> <p>If the valve works, but you can't hear it positive or negative air pressure in the pipes, check if they are blockages in the air lines that They go in and out of the valve.</p>	

## Diagnostics

Problem	Possible cause	Corrective action
<b>2. Reduced powder output from the conveying tube (the pinch valves DO NOT open and close)</b>	<i>Pinch valve defective or damaged</i>	Replace the pinch valves
	<i>PV 1 valve transport cycle activation not working</i>	See Pipe Diagrams. If the valve works, but you can't hear it positive pressure from outlets 2   4, check pressure regulator/gauge (Reg. Supply). Turn off the pump and unplug the valve feed tube. Turn on the pump and check that there is positive pressure at 0.6 Mpa.  If there is pressure, replace the valve.
	<i>Supply pressure No valve PV1</i>	See Pipe Diagrams. Turn off the pump and unplug the valve feed tube. Turn on the pump and check that there is pressure positive. If there is no pressure, replace the regulator with pressure gauge (Reg. Supply).
	<i>Pinch Valves cycle activation PV 2 valve not working</i>	See Pipe Diagrams. If the valve works, but you can't hear it positive pressure from outlets 2   4, check pressure regulator/pressure gauge (Reg. Pinch Valves). Turn off the pump and unplug the pipes connected to the pump body. Turn on the pump and check if i pipes exhibit pressure alternation positive. If there is no pressure, replace the valve.
	<i>Supply pressure PV2 valve absent</i>	See Pipe Diagrams. Turn off the pump and unplug the valve feed tube. Turn on the pump and check that there is pressure positive. If there is no pressure, replace the regulator with pressure gauge (Reg. Pinch Valves)
	<i>TIMER (RIGHT) Does not respect times</i>	See Pipe Diagrams. Turn off the pump and unplug the tube from the outlet (2) of the timer. Turn on the pump and check if pressure comes out alternately. Check for correct operation of the display and the respect of the time PRE-SET. If there is no pressure, replace the TIMER.
	<i>TIMER (LEFT) Does not respect times</i>	See Pipe Diagrams. Turn off the pump and unplug the tube from the outlet (2) of the timer. Turn on the pump and check if pressure comes out alternately. Check for correct operation of the display and the respect of the time PRE-SET. If there is no pressure, replace the TIMER.

## Diagnostics

Problem	Possible cause	Corrective action
<b>3. Low dust entry (loss of suction from the source of dust)</b>	<i>Blockage in the powder collection tube</i>	Check if the tube has blocks. Remove the tube and purge with compressed air.
	<i>Vacuum leak from the vacuum generators</i>	Check if the vacuum generators are contaminated. In case of contamination or wear, replace both vacuum generators. Check the exhaust silencers. If the exhaust silencers turn out clogged, replace them.
	<i>O rings damaged along the way dust</i>	Check all o-rings in the path dust. Replace damaged o rings or worn out.
	<i>Clogged fluidization pipes</i>	Replace the fluidizing tubes.
<b>4. Pinch valves that they go bad quickly, with cracks around the flange</b>	<i>The powder tribo loads into the pump</i>	Install Valve Kit P/n 10034 a black sleeve - NOT CONDUCTIVE. Check that the device is properly grounded.

## Repair



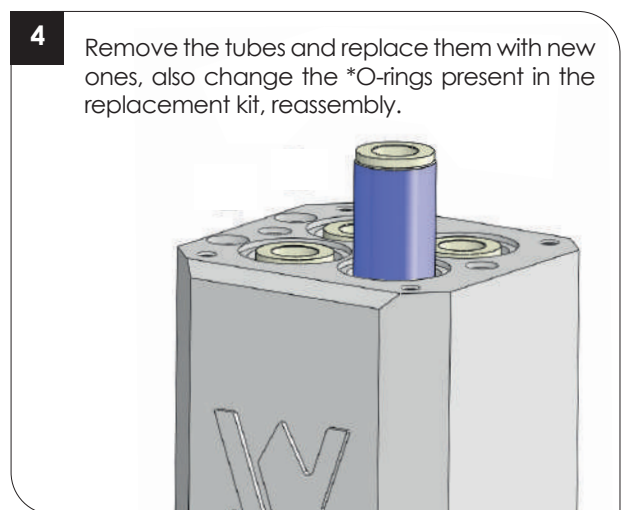
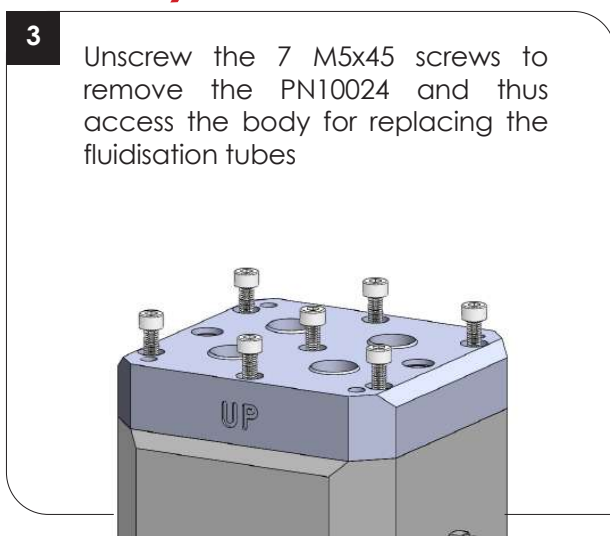
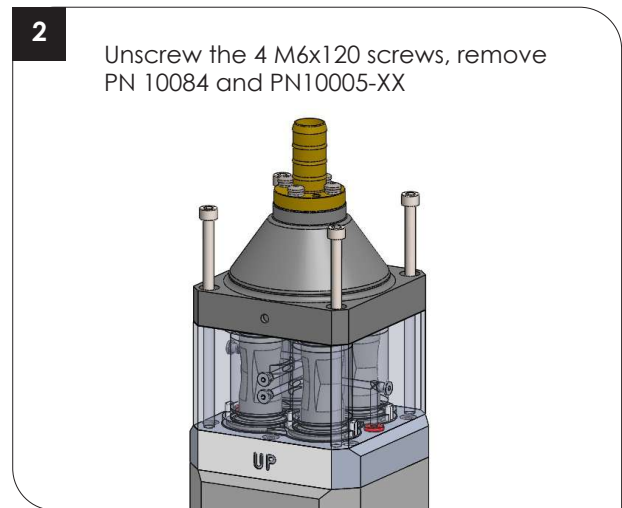
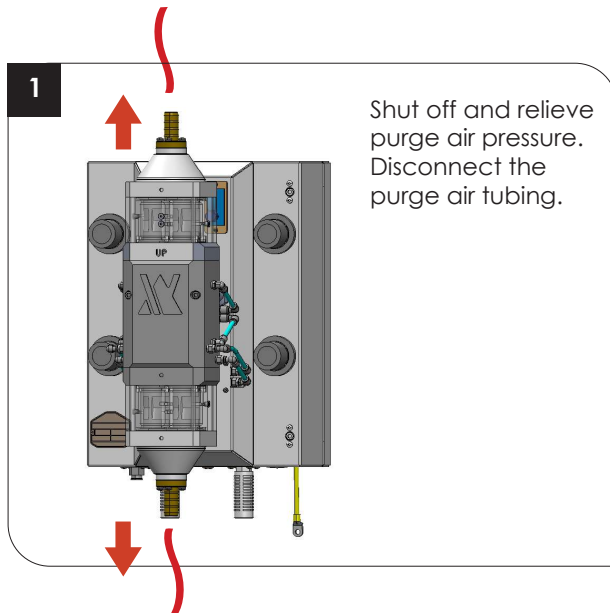
**WARNING:** Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



**WARNING:** Shut off and relieve system air pressure before performing the following tasks. Failure to relieve air pressure may result in personal injury.

## Fluidizing Tube Replacement

**NOTE:** In the fluidization tube kits I am including four O-rings. Replace O-rings if they are worn. It is not necessary to replace the o-ring every time you replace the fluidizing tubes.



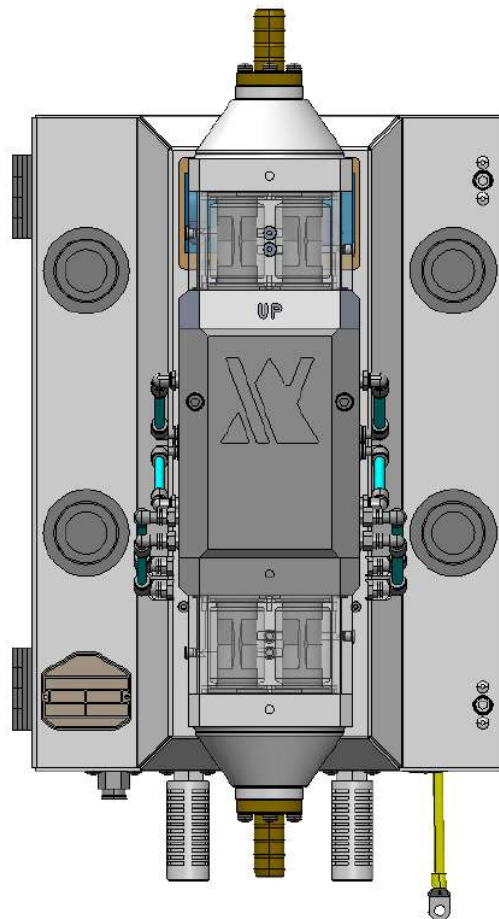
\*In the fluidization tube kits, there are included O-rings. Replace O-rings if they are worn.

## Pump Disassembly



**WARNING:** Shut off and relieve system air pressure before performing the following tasks. Failure to relieve air pressure may result in personal injury.

1. See figure 9. Disconnect the purge air lines from the top of the pump.
2. Disconnect the inlet and outlet powder tubing from the bottom of the pump.
3. Remove the two screws (A) from the pump.
4. See figure 9. Disconnect one end of each of the air tubes indicated.
5. See figure 10. Remove the tubes securing the pump assembly to the base.
6. See Figure 11. Starting with the fluidizing tubes, disassemble the pump as shown.



**NOTE:** Tag all air and powder tubing before disconnecting from the pump.

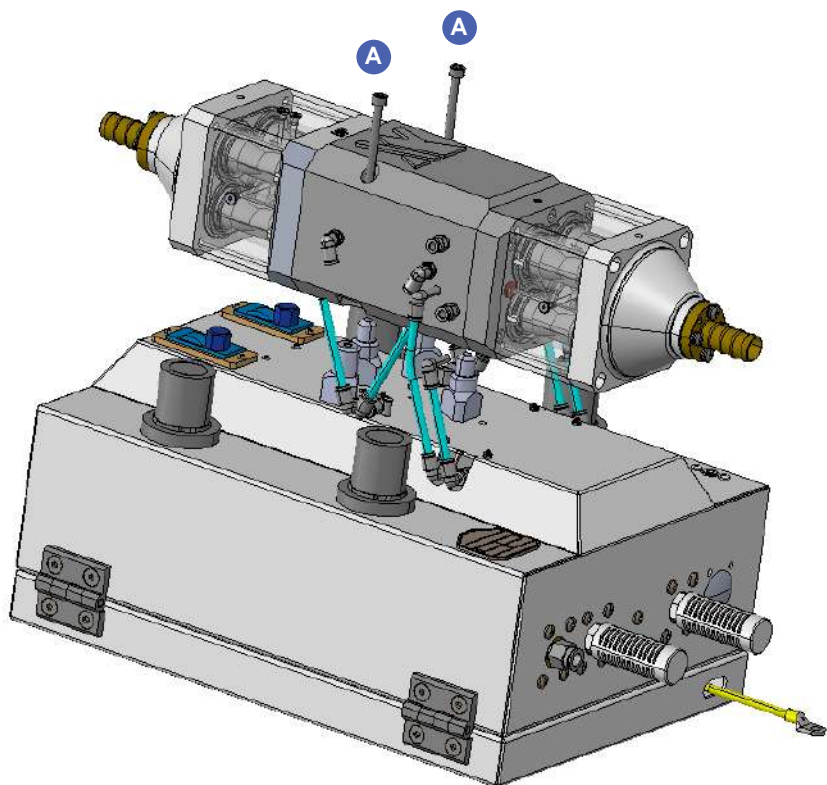


Figure 10

**NOTE:** Refer to Pinch Valve Replacement on page 21 for instructions on pulling the pinch valves out of the pinch valve body.

# Dense phase pump NEA340

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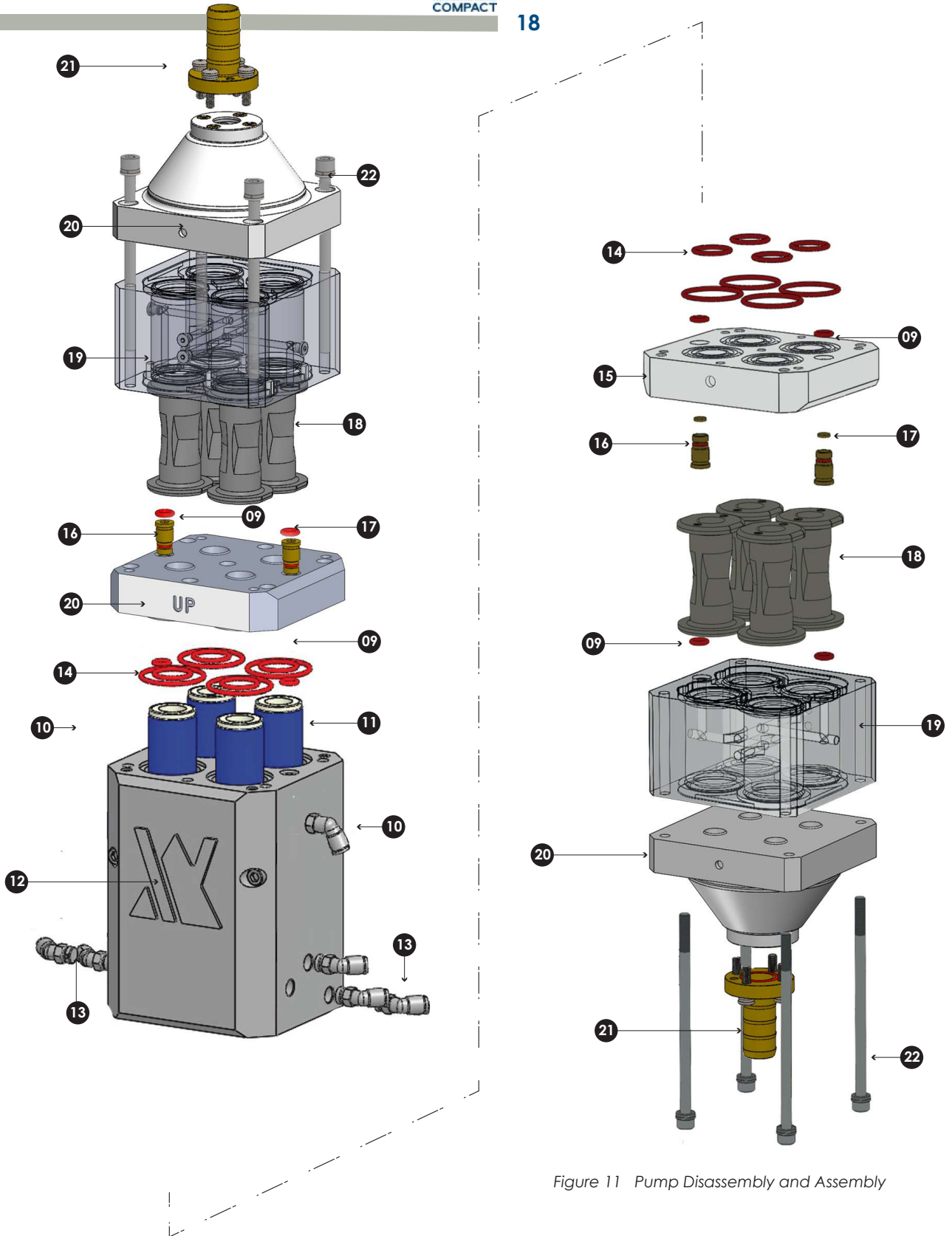


Figure 11 Pump Disassembly and Assembly

- 8. INTERMEDIATE BODY - INLET
- 9. O-Ring Silicone 3024
- 10. Elbow 90° G1/8"-6
- 11. Fluidizing Tubes
- 12. Fluidizing Tubes Body
- 13. Elbow G1/8"-6

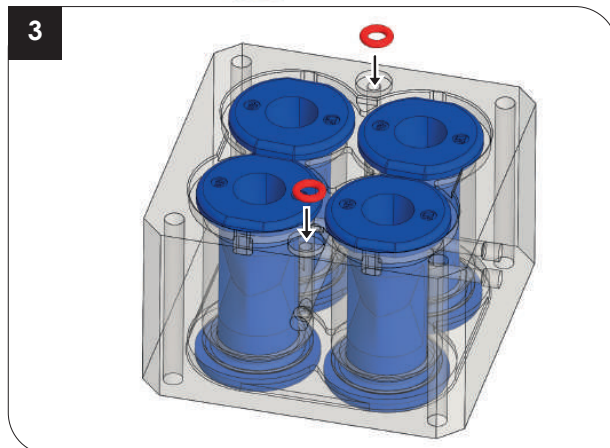
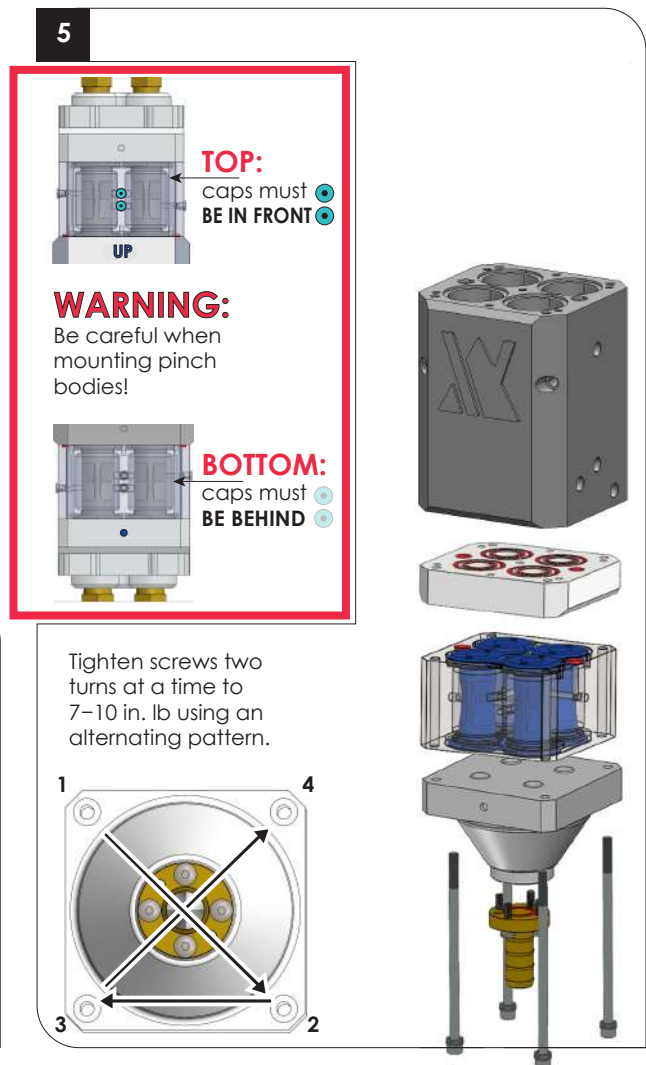
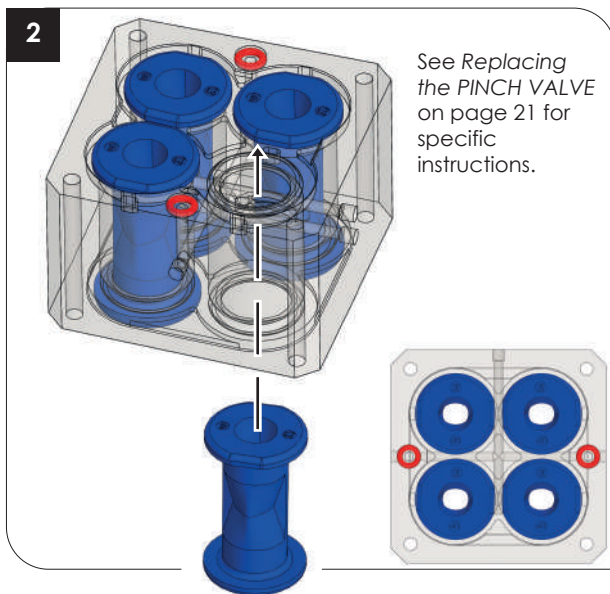
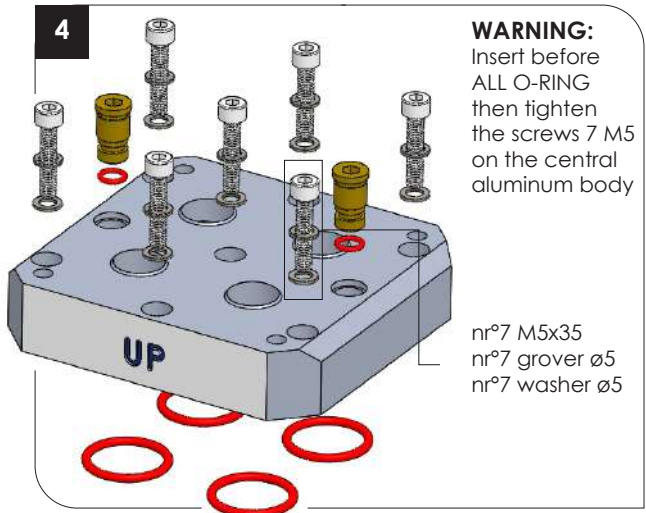
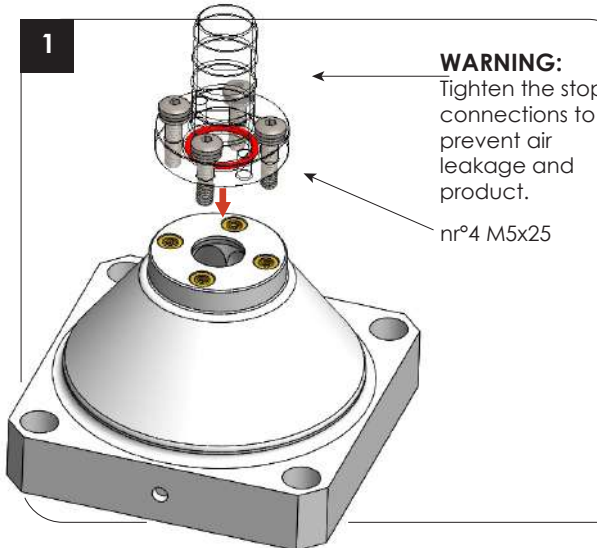
- 14. O-Ring Silicone 3131
- 15. INTERMEDIATE BODY - OUTLET
- 16. Compass Filter Brass
- 17. Filter Brass
- 18. Pinch Valves

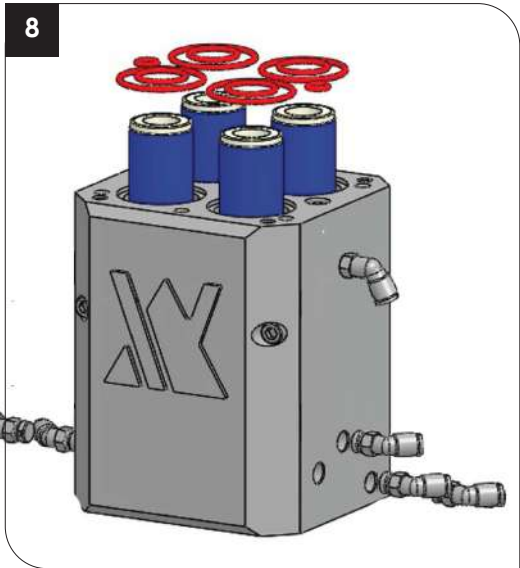
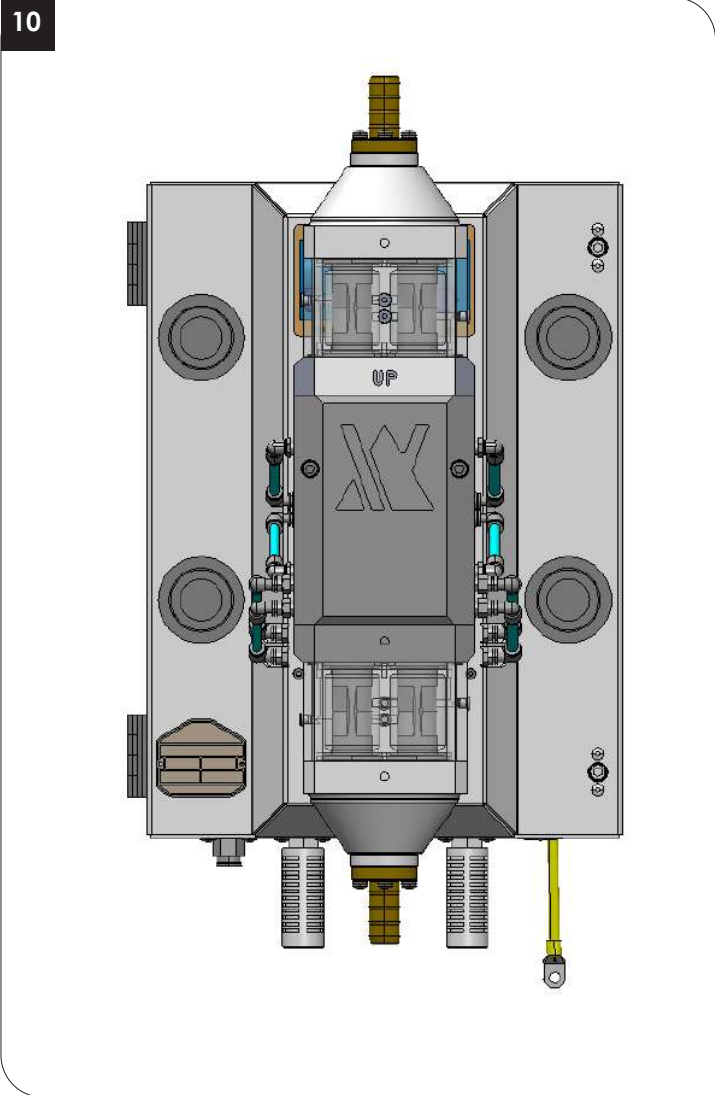
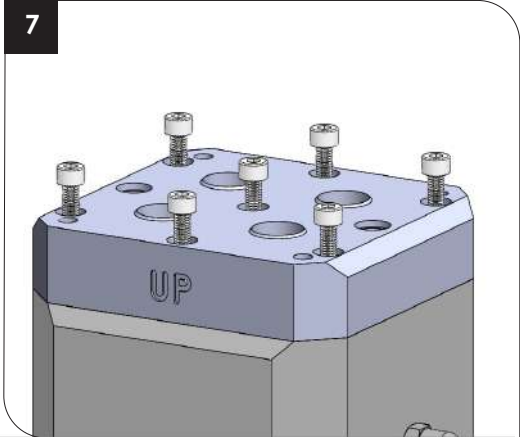
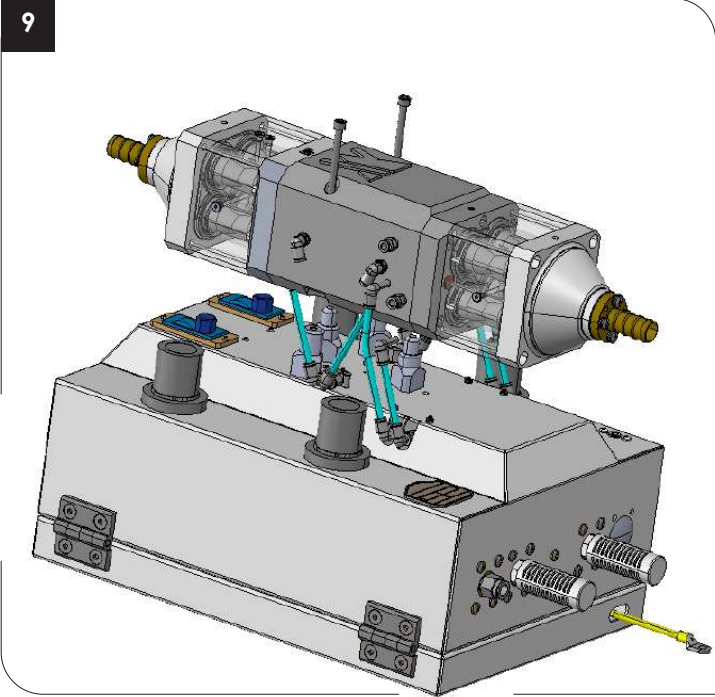
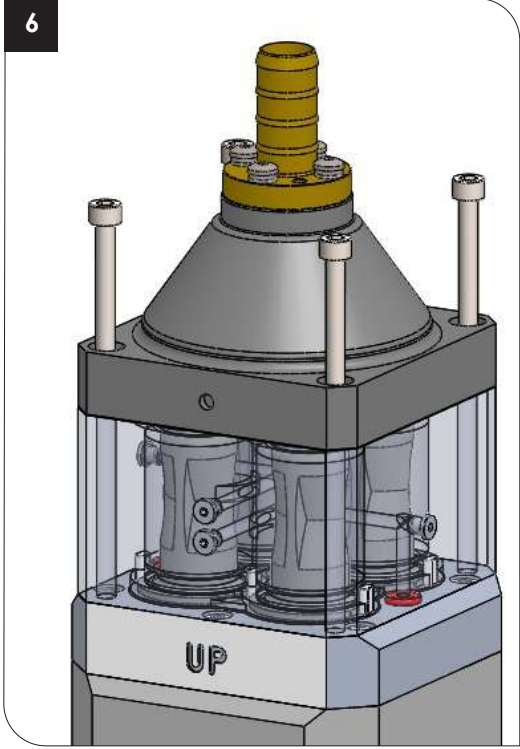
- 19. Pinch Valves Body
- 20. Inlet - Outlet Body
- 21. Brass adapter d.int.16mm
- 22. Screw assembly 120mm M6 INOX

## Pump Assembly



**CAUTION:** Follow the assembly order and specifications shown. Pump damage may occur if you do not carefully follow the assembly instructions.





## Substitution of the PINCH VALVES



**WARNING:** Wear eye protection while performing this procedure. The pinch valves will quickly snap back to their normal shape when you pull them out of the pinch valve body.

**NOTE:** In the upper flanges of the sleeve valves is modeled after the word UP

**NOTE:** Replace the filter discs (included in the pinch valves kit) when replacing the valves

### Pinch Valve Removal

1



Place the pinch valve body in a padded vise with the bottom end facing you. Grasp and pull the bottom end of the pinch valve with one hand.

2

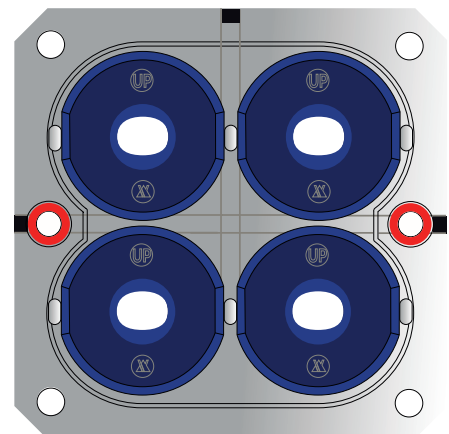


Use your other hand to pinch the flange on the opposite end of the pinch valve.

3

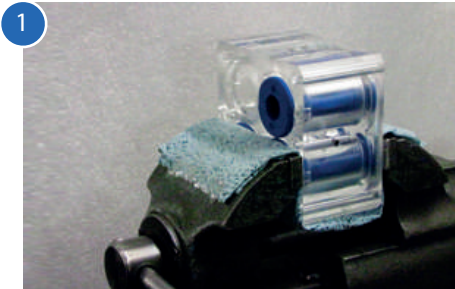


Pull the pinch valve firmly until it comes out of the pinch valve body.

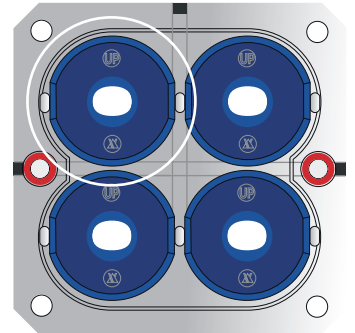


## Installing the pinch valves

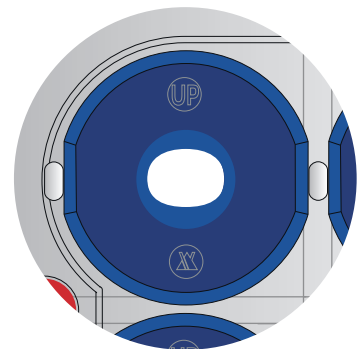
**NOTE:** All pinch valves intended for repeated contact with food must be cleaned thoroughly prior to their first use.



Turn the body of the pinch valves so as to have in front of the upper side.



After putting the valve in the tool insertion, flatten the flange on the end of the valve UP.



Insert the end of the valve in the tool HIGHER for the insertion of the pinch valves. Compress the UP end of the flange and introduce the small end into the flattened flange, inside the pinch valves.

**!** NOTES: Observe the straight side of the valve as in the figure or the pinch valves NOT RUN '.



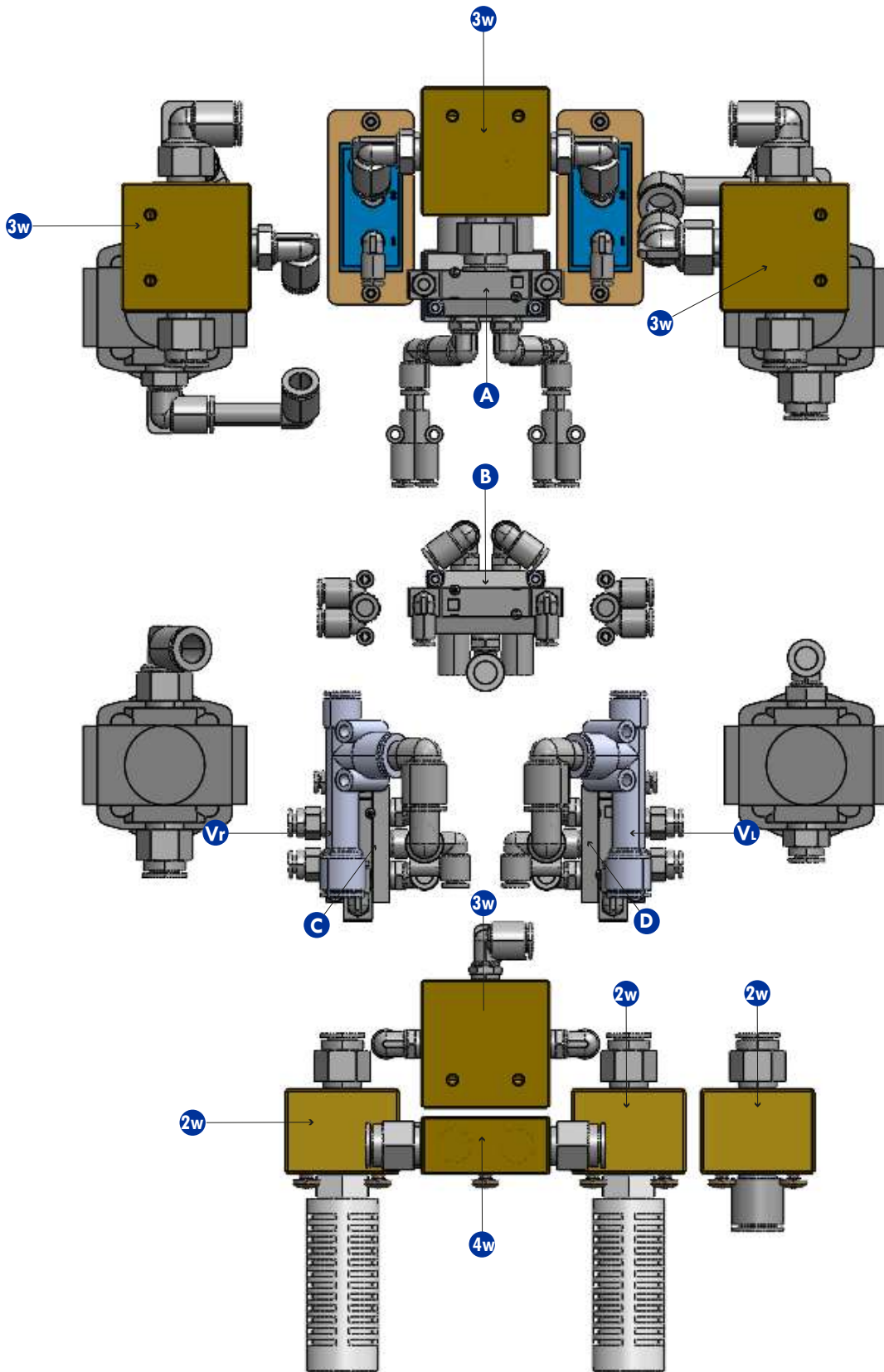
While it compresses the UP end of the flange, pull the tool itself.

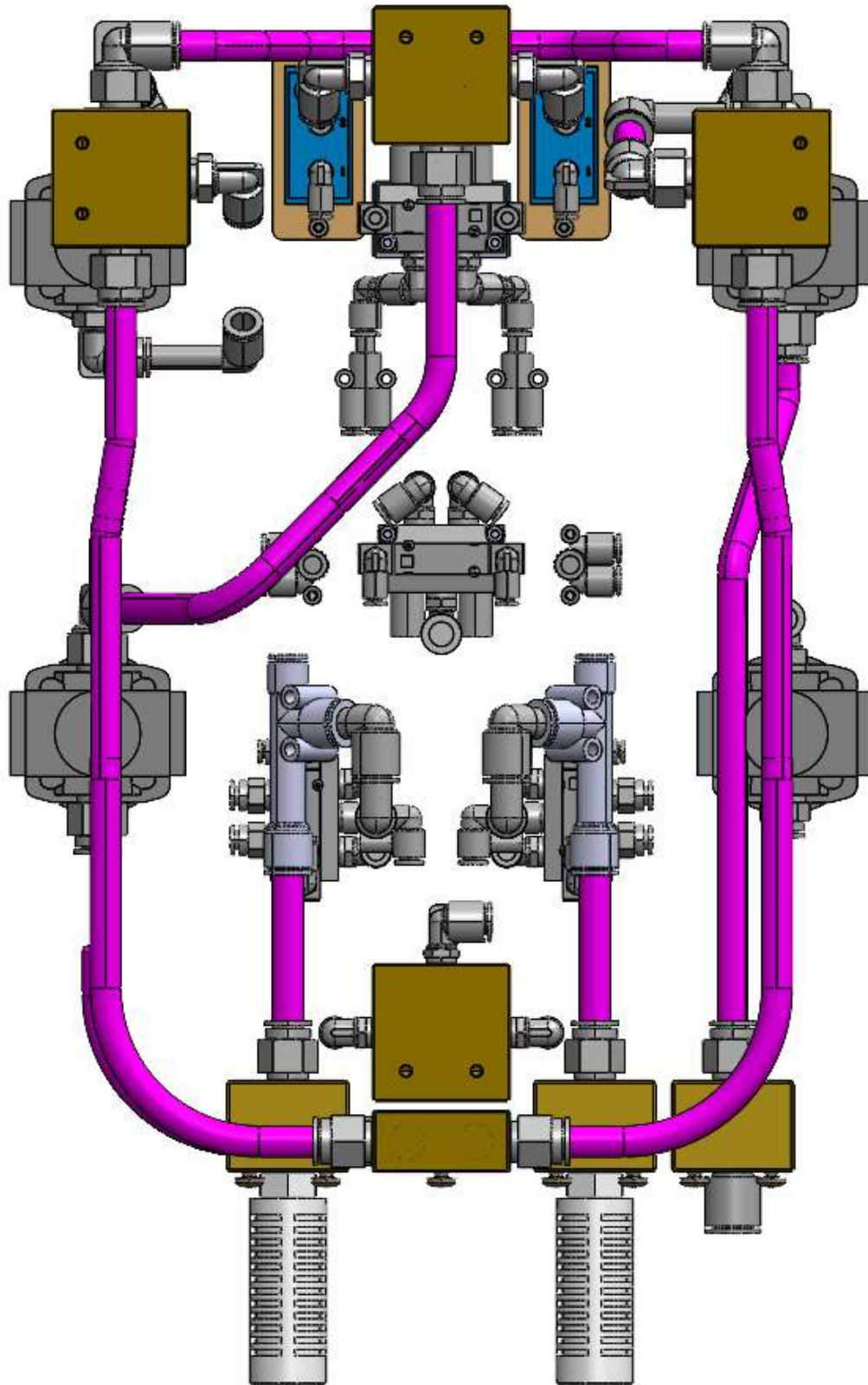


Pull the insertion tool through the valve body, until the end of the valve UP and the insertion tool out of the upper side of the body of the pinch valves.

### BEHIND VIEW OF PUMP BODY

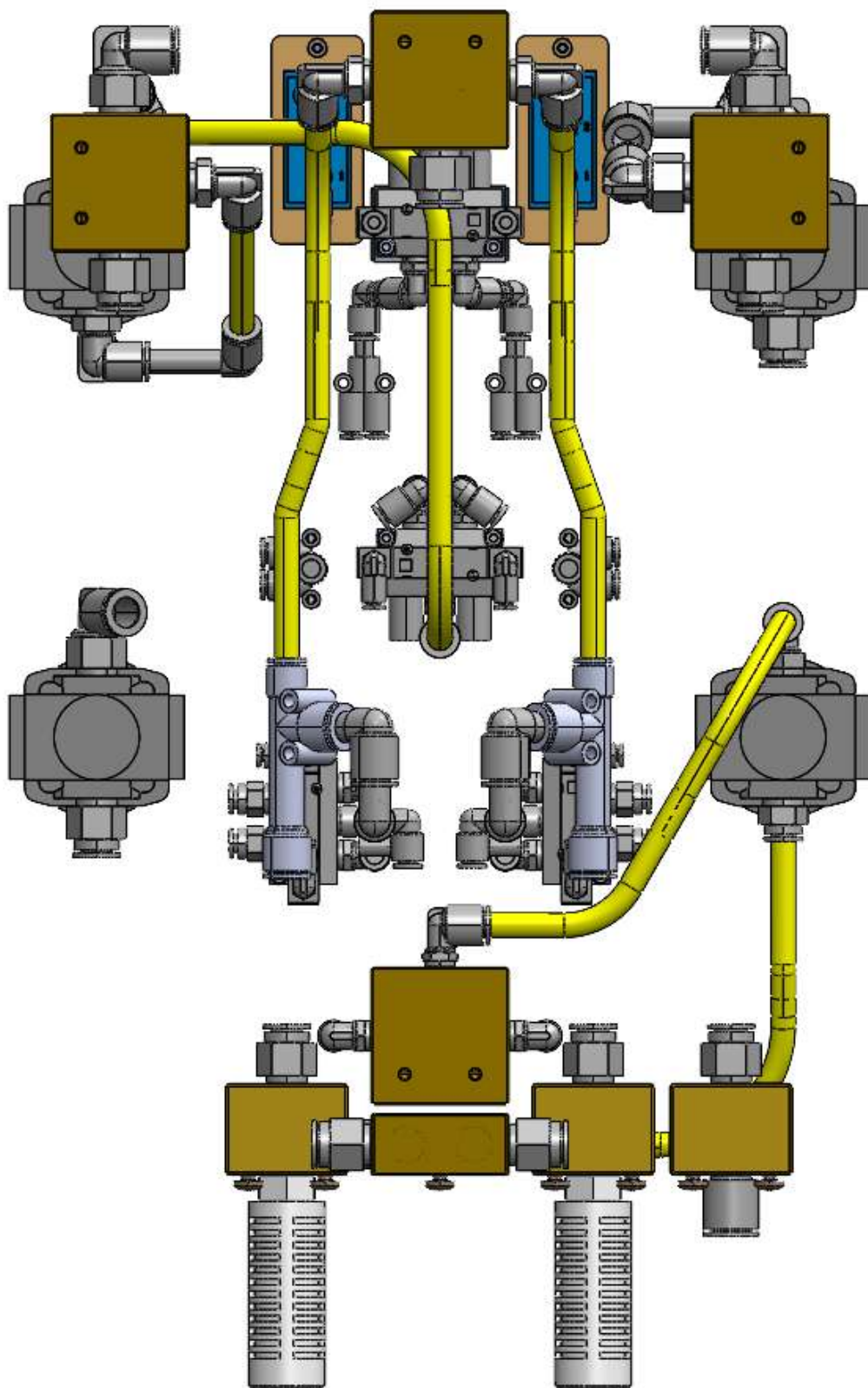
ITEM	
A	PV1
B	PV2
C	PV3
D	PV4
Vr	Vacuum right
Vl	Vacuum left
4w	4-way distributor
3w	3-way distributor
2w	2-way distributor



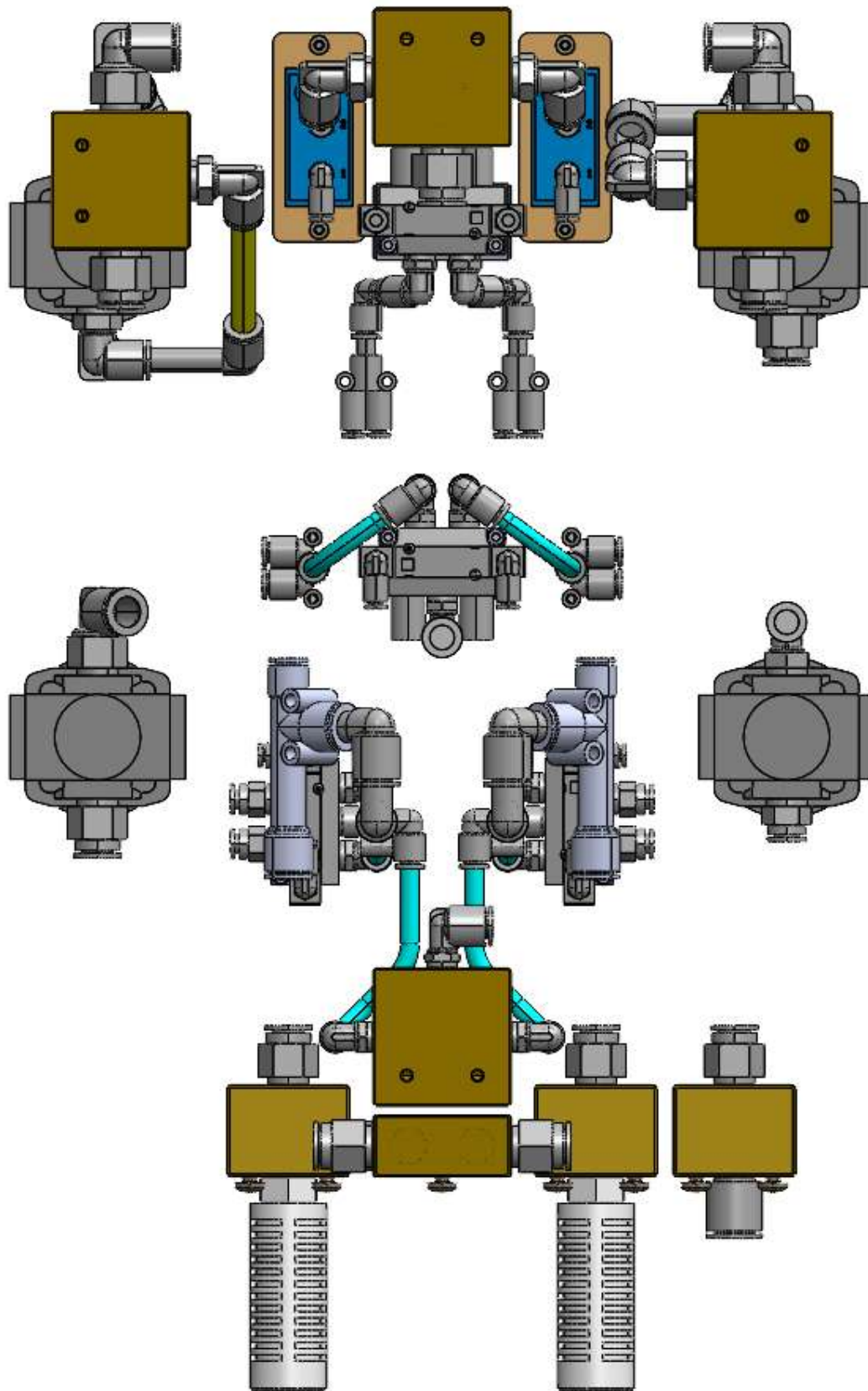


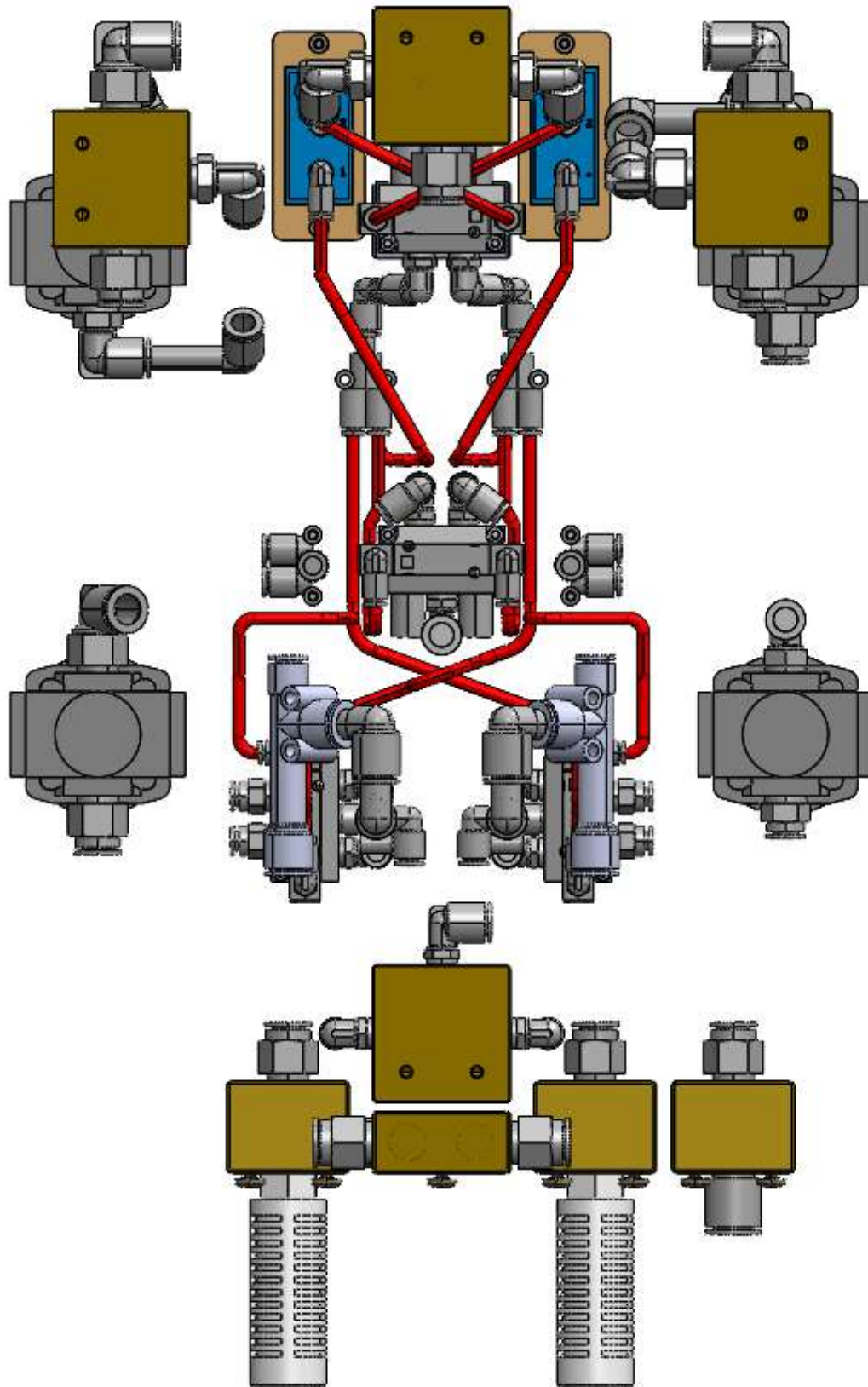
BEHIND VIEW OF PUMP BODY

○ Tube  $\varnothing 8$



### BEHIND VIEW OF PUMP BODY

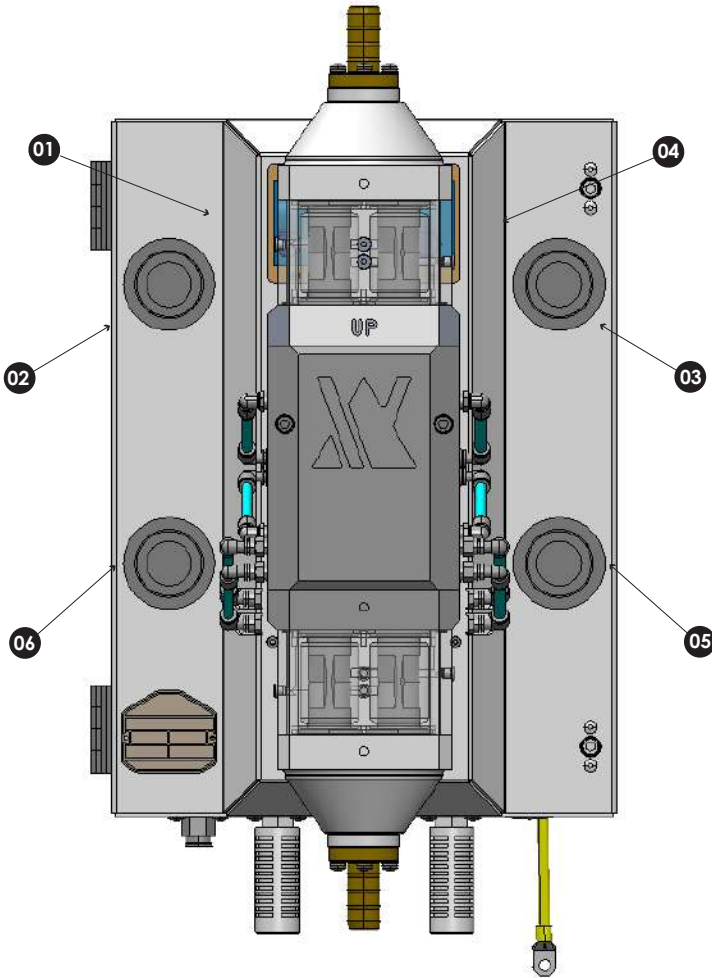




# Dense phase pump NEA340

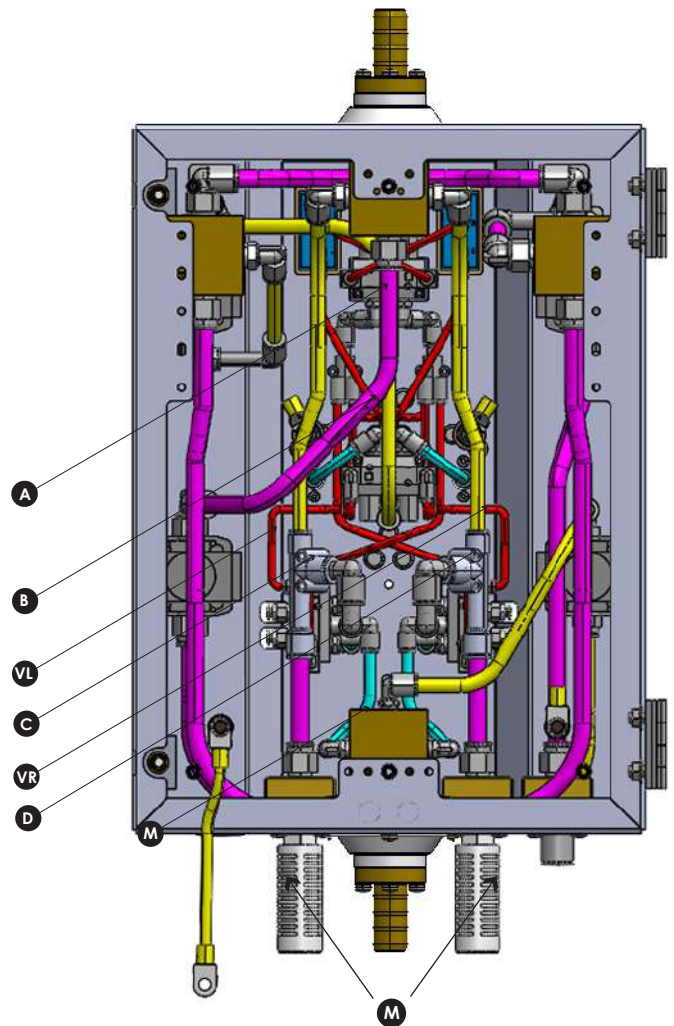
COMPACT

## 28 PNEUMATIC SPARE PARTS



ACRONYM	Part Number (PN)	
01	Timer T0.50	10095
02	Regulator SUPPLY 1/4"   1 Mpa_D10 - L10	10147
03	Regulator PINCH VALVES 1/4"   1 Mpa_L8 - L8	10100
04	Timer T0.50	10095
05	Regulator VACUUM 1/4"   1 Mpa_D10 - L10	10147
06	Regulator TRANSPORT 1/4"   1 Mpa_D8 - L8	10148

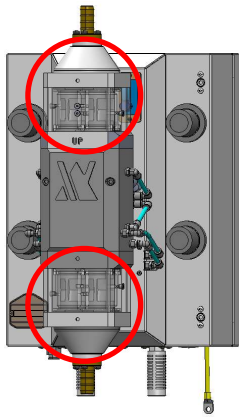
ACRONYM	Part Number (PN)	
A	PV1	10144
B	PV2	10145
C	PV3	10146
D	PV4	10146
M	Muffler	10021
Vr	Vacuum right	10023
Vl	Vacuum left	10023



ITEM P/N:

Pcs Description

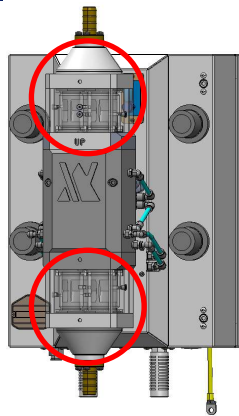
10128-34



1

NEA 340 COMPACT  
(ASSEMBLED) WITH P/N 10034

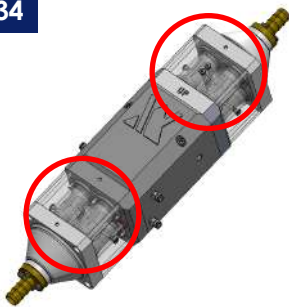
10128-35



1

NEA 340 COMPACT - PUMP  
BODY\_FDA COMPLIANT  
(ASSEMBLED) WITH P/N 10035

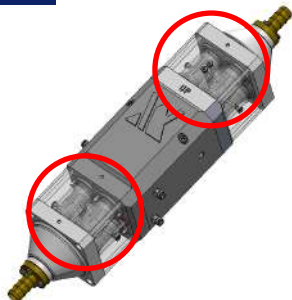
10138-34



1

PUMP BODY ASSEMBLED  
NEA 340 COMPACT -WITH P/N 10034

10138-35

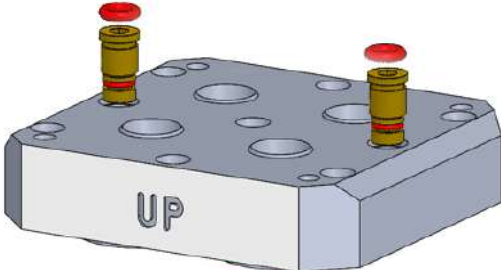





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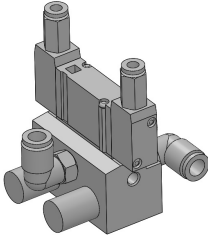
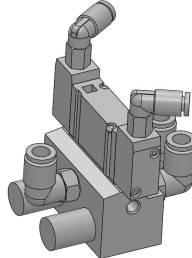
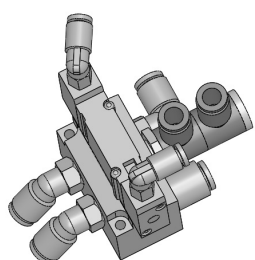
PUMP BODY ASSEMBLED  
NEA 340 COMPACT - FDA COMPLIANT  
WITH P/N 10035

ITEM P/N:	Pcs	Description
<p><b>10005</b></p> 	1	<p>PINCH VALVES HOUSING BODY - NEA 430</p> <p><b>INCLUDED:</b></p>
<p><b>10005-34</b></p> 	1	<p>PINCH VALVES HOUSING BODY - NEA 430 - WITH PN 10034</p> <p><b>INCLUDED:</b> 4pcs O-Ring Silicone 3024</p>
<p><b>10005-35</b></p> 	1	<p>PINCH VALVES HOUSING BODY - NEA 430-WITH PN 10035</p> <p><b>INCLUDED:</b> 4pcs O-Ring Silicone 3024</p>
<p><b>10021</b></p> 	2	<p>MUFFLER - NEA 430</p>
<p><b>10023</b></p> 	2	<p>VACUUM GENERATOR- NEA 430</p>

Inside of NEA pump, there are installed No 2 PN\_\_\_\_\_.

ITEM P/N:	Pcs	Description
<p><b>10024</b></p> 	<p><b>1</b></p>	<p>INTERMEDIATE BODY - INLET NEA440</p> <p><b>INCLUDED:</b>                      2 pcs O-Ring 3024                      4 pcs O-Ring 130                      4 pcs O-Ring 3131                      2 pcs Compass Filter Brass P/N 10007</p>
<p><b>10100</b></p> 	<p><b>1</b></p>	<p>REGULATOR 1/4" - 1Mpa_L8   L8                      REF: PINCH VALVES</p> <p><b>INCLUDED:</b>                      All Fittings</p>
<p><b>10033</b></p> 	<p><b>1</b></p>	<p>INTERMEDIATE BODY - OUTLET NEA440</p> <p><b>INCLUDED:</b>                      2 pcs O-Ring 3024                      4 pcs O-Ring 130                      4 pcs O-Ring 3131                      2 pcs Compass Filter Brass P/N 10007</p>
<p><b>10034</b></p> 	<p><b>4</b></p>	<p>PINCH VALVES BLACK                      NO CONDUCTION - NEA 430</p> <p><b>INCLUDED:</b>                      2pcs O-Ring Silicone 3024                      2pcs Filter brass Sinterized                      1pcs Sheath's mounting</p>

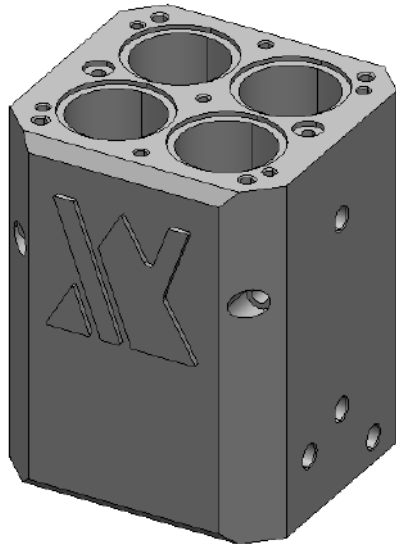
ITEM P/N:	Pcs	Description
<p>10035 </p> 	4	<p>PINCH VALVES GREY - FOOD &amp; PHARMA USE - NEA 430</p> <p><b>INCLUDED:</b>                      2pcs O-Ring Silicone 3024                      2pcs Filter brass Sinterized                      1pcs Sheath's mounting</p>
<p>10007 </p> 	2	<p>COMPASS FILTER BRASS - NEA 430</p> <p><b>INCLUDED:</b>                      2 pcs in sinterized brass for COMPASS                      2 pcs O-Ring 3024                      2 pcs O-Ring 6x1,5</p>
<p>10082</p> 	2	<p>BRASS ADAPTER d.int.16 mm</p> <p><b>INCLUDED:</b>                      2 pcs brass adapter                      2 pcs O-Ring</p>
<p>10083</p> 	2	<p>INOX ADAPTER d.int.16 mm</p> <p><b>INCLUDED:</b>                      2 pcs inox adapter                      2 pcs O-Ring</p>
<p>10084 </p> 	1	<p>INLET-OUTLET BODY - NEA 440</p>

ITEM P/N:	Pcs	Description
<p>10147</p> 	1	<p>REGULATOR 1/4" - 1 Mpa_D10 L10  <i>REF: SUPPLY</i>  <i>REF: VACUUM</i></p> <p><b>INCLUDED:</b>                      All Fittings</p>
<p>10148</p> 	1	<p>REGULATOR 1/4" - 1Mpa_D8 L8  <i>Ref: TRANSPORT</i></p> <p><b>INCLUDED:</b>                      All Fittings</p>
<p>10144</p> 	1	<p>PV1 - CYCLE VALVE - NEA COMPACT</p> <p><b>INCLUDED:</b>                      All Fittings</p>
<p>10145</p> 	1	<p>PV2-PINCH VALVES - NEA COMPACT</p> <p><b>INCLUDED:</b>                      All Fittings</p>
<p>10146</p> 	1	<p>PV3- PV4_TRANSPORT VALVE NEA 380 COMPACT</p> <p><b>INCLUDED:</b>                      All Fittings</p>

ITEM P/N:

Pcs Description

10141



1

FLUIDIZING TUBES HOUSING BODY  
NEA 540 COMPACT

**INCLUDED:**

8 pcs O-Ring Silicone 3131  
4 pcs O-Ring Silicone 3024  
ALL fittings

10120



4

FLUIDIZING TUBES - NEA 140

**INCLUDED:**

All O-Ring

10097



1

GASKET KIT/O-RINGS-PUMP BODY  
NEA 440

**INCLUDED:**

ALL O-Rings

10095



1

TIMER T 0.50 SEC


**INCLUDED:**

2 pcs Fittings

ITEM P/N:

Pcs

Description

	<p>3</p>	<p>CLOSING ZIPPER ELESA 425611-1-3</p>
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## DECLARATION OF CONFORMITY

**Model:** Dust pump NEA 340 COMPACT, Dense phase transfer pump  
(DPLP : Dense Phase Low Pressure)

**Applicable directives:**

94/9 / EC (ATEX equipment for use in potentially explosive atmospheres)  
98/37 / EEC (Machinery)

Standards used for Compliance:

EN13463-1 EN1127-1  
EN12100-1 EN13463-5

**Principles:**

This product was manufactured in accordance with good engineering practice.  
The specified product complies with the directives and standards described above.

Mark flammable atmosphere: Ex II 3 D c T6

Note: The year of equipment manufacture appear in the serial number. "PL20-03"  
it means the product was manufactured in 2020, "03" at the end indicate the production lot of the year.

Date: March 03, 2026

Verne Technology S.r.l.  
CEO  
Carlo Perillo

