



VACUUM BAFFLES





VACUUM BAFFLES



JSC "VACUUMMASH" 80 years



Water Baffles

Water flow baffles are designed to reduce the flow of working fluid vapors into the pumped volume by condensing them on the cooled elements of the freezing



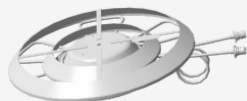
Multi Baffles

Multi baffles are designed to reduce the flow of working fluid vapors into the pumped volume by condensing them on the cooled elements of the freezing device. It can be cooled with water, freon and liquid nitrogen. In the case of using a coolant with $t < 0^{\circ}\text{C}$, it provides an additional pumping speed



Integrated Baffles

Integrated baffles performs the function of an oil reflector. Installed instead of a standard oil reflector in pumps, has an additional number of cooled screens to capture oil return flow vapors (more than the Extended Cold Cap Baffles), covers the entire area of the input high vacuum flange



Extended Cold Cap Baffles

Extended Cold Cap Baffles performs the function of an oil reflector, is installed instead of a standard oil reflector in VDP pumps, has an additional number of cooled screens for trapping oil reverse flow vapors (less than Integrated baffles).



Oil vapor vacuum pumps are additionally used with vacuum baffles that reduce the reverse flow of working fluid vapors into the pumped volume

APPLICATION OF VACUUM BAFFLES

	Water Baffle 250	Water Baffle 400	Water Baffle 500	Water Baffle 630	Water Baffle 800	Water Baffle 1000	Integrated Baffle 400	Integrated Baffle 500	Integrated Baffle 630	Integrated Baffle 800	Extended Cold Cap Baffles 400	Extended Cold Cap Baffles 500	Extended Cold Cap Baffles 630	Extended Cold Cap Baffles 800	Multi Baffles 1000
VBP-160/1000															
VBP-250/3000															
VBP-400/6000															
VBP-500/12000															
VBP-630/12000															
VBP-630/18000															
VDP-250															
VDP-400															
VDP-500															
VDP-630															
VDP-800															
VDP-1000															
VDP Jet-320															
VDP Jet-500															
VDP Jet-630															
VDP Jet-1000															



Water Vacuum Baffles



JSC "VACUUMMASH" 80 years



LP-250 WATER BAFFLE

View: Flanged

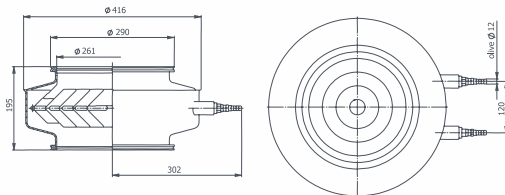
Conductivity, l/s: 1130

- ✓ Stainless steel housing
- ✓ Coolant: water
- ✓ Recommended water flow rate
(at a water temperature of 4 to 25°C): 100 L/h
- ✓ Climatic version: UHL4
- ✓ Warranty: 12 months

INSTALLATION

- The diameter of the conditional passage 250 mm
- It is installed on the pump's inlet flange
- Suitable for the diffusion vacuum pump VDP-250
- Suitable for the booster vacuum pump VBP-250/3000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



LP-400 WATER BAFFLE

View: Flanged

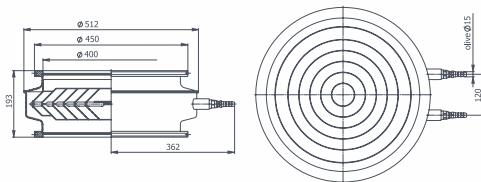
Conductivity, l/s: 3200

- ✓ Stainless steel housing
- ✓ Coolant: water
- ✓ Recommended water flow rate
(at a water temperature of 4 to 25°C): 180 L/h
- ✓ Climatic version: UHL4
- ✓ Warranty: 12 months

INSTALLATION

- The diameter of the conditional passage 400 mm
- It is installed on the pump's inlet flange
- Suitable for the diffusion vacuum pump VDP-400
- Suitable for the booster vacuum pump VBP-400/6000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Water Vacuum Baffles



JSC "VACUUMMASH" 80 years

LP-500 WATER BAFFLE



View: Flanged

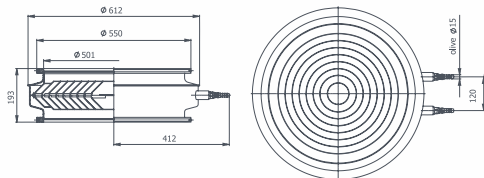
Conductivity, l/s: 5800

- ✓ Stainless steel housing
- ✓ Coolant: water
- ✓ Recommended water flow rate (at a water temperature of 4 to 25°C): 270 L/h
- ✓ Climatic version: UHL4
- ✓ Warranty: 12 months

INSTALLATION

- The diameter of the conditional passage 500 mm
- It is installed on the pump's inlet flange
- Suitable for the diffusion vacuum pump VDP-500 and VDP Jet-500
- Suitable for the booster vacuum pump VBP-500/12000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



LP-630 WATER BAFFLE



View: Flanged

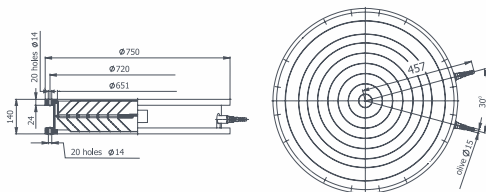
Conductivity, l/s: 10100

- ✓ Stainless steel housing
- ✓ Coolant: water
- ✓ Recommended water flow rate (at a water temperature of 4 to 25°C): 390 L/h
- ✓ Climatic version: UHL4
- ✓ Warranty: 12 months

INSTALLATION

- The diameter of the conditional passage 630 mm
- It is installed on the pump's inlet flange
- Suitable for the diffusion vacuum pump VDP-630 and VDP Jet-630
- Suitable for the booster vacuum pump VBP-630/12000 and VBP-630/18000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Water Vacuum Baffles



JSC "VACUUMMASH" 80 years

LP-800 WATER BAFFLE

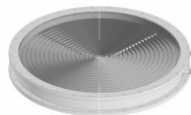
View: Flanged

Conductivity, I/s: 12160

- ✓ Stainless steel housing
- ✓ Coolant: water
- ✓ Recommended water flow rate (at a water temperature of 4 to 25°C): 590 L/h
- ✓ Climatic version: UHL4
- ✓ Warranty: 12 months

INSTALLATION

- The diameter of the conditional passage 800 mm
- It is installed on the pump's inlet flange
- Suitable for the diffusion vacuum pump VDP-800 and VDP Jet-800
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.



LP-1000 WATER BAFFLE

View: Flanged

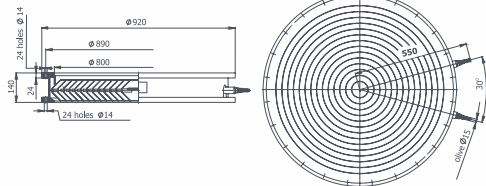
Conductivity, I/s: 22900

- ✓ Stainless steel housing
- ✓ Coolant: water
- ✓ Recommended water flow rate (at a water temperature of 4 to 25°C): 900 L/h
- ✓ Climatic version: UHL4
- ✓ Warranty: 12 months

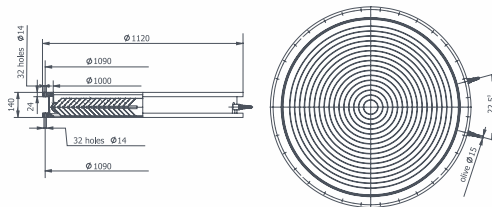
INSTALLATION

- The diameter of the conditional passage 1000 mm
- It is installed on the pump's inlet flange
- Suitable for the diffusion vacuum pump VDP-1000 and VDP Jet-1000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



Dimensions





Water Vacuum Baffles



TECHNICAL SPECIFICATIONS

PARAMETER NAME	LP-250	LP-400	LP-500	LP-630	LP-800	LP-1000
Conductance at pressure $1,3 \times 10^{-2}$ Па (1×10^{-4} мм рт.ст.), l/s, nevertheless	1130	3200	5800	10100	12160	22900
Recommended water flow rate (at a Water Temperature of от 4 до 25°C), l/h	100	180	270	390	590	900
Oil vapor breakthrough at pressure $1,3 \times 10^{-2}$ Па (1×10^{-4} mmHg), mg/min	$4,9 \times 10^{-3}$	$1,3 \times 10^{-2}$	$2,0 \times 10^{-2}$	$3,1 \times 10^{-2}$	$5,0 \times 10^{-2}$	$7,9 \times 10^{-2}$
Overall dimensions, mm, no more than: - length - width - height	510 416 195	618 512 193	718 612 193	864.5 750 140	- 920 140	- 1120 140
Weight, kg, no more than	16,5	36	41	68	97	150



Multi Vacuum Baffles



JSC "VACUUMMASH" 80 years



ML-630 MULTI BAFFLE

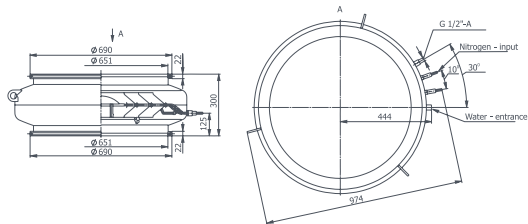
View: Flanged

- ✓ The diameter of the conditional passage 630 mm
- ✓ Stainless steel housing
- ✓ ISO-F inlet flange
- ✓ Coolants: water and liquid nitrogen
- ✓ Two cooling circuits: the outer circuit uses water to cool the housing, while the inner circuit is cooled with liquid nitrogen
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- Suitable for the diffusion vacuum pump VDP-630 and VDP Jet-630
- Suitable for the booster vacuum pump VBP-630/12000 and VBP-630/18000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Integrated Vacuum Baffles



LI-400 INTEGRATED BAFFLE

View: non-flanged

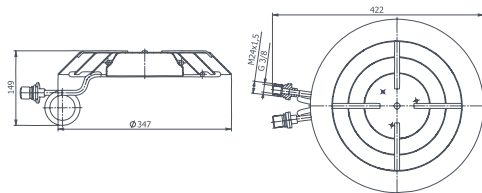


- ✓ The diameter of the conditional passage 400 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (more than the enlarged MU oil baffle)
- ✓ Covers the entire area of the high-vacuum inlet flange of the oil diffusion pump
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-400
- Suitable for the booster vacuum pump VBP-400/6000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



LI-500 INTEGRATED BAFFLE

View: non-flanged

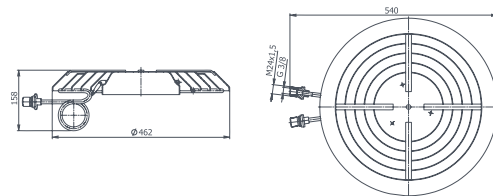


- ✓ The diameter of the conditional passage 500 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (more than the enlarged MU oil baffle)
- ✓ Covers the entire area of the high-vacuum inlet flange of the oil diffusion pump
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-500 and VDP Jet-500
- Suitable for the booster vacuum pump VBP-500/12000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Integrated Vacuum Baffles



LI-630 INTEGRATED BAFFLE

View: non-flanged

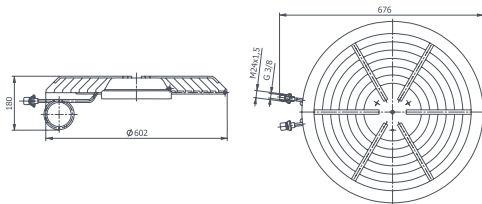


- ✓ The diameter of the conditional passage 630 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (more than the enlarged MU oil baffle)
- ✓ Covers the entire area of the high-vacuum inlet flange of the oil diffusion pump
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-630 and VDP Jet-630
- Suitable for the booster vacuum pump VBP-630/12000 and VBP-630/18000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



LI-800 INTEGRATED BAFFLE

View: non-flanged

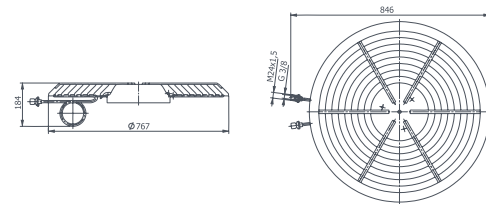


- ✓ The diameter of the conditional passage 800 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (more than the enlarged MU oil baffle)
- ✓ Covers the entire area of the high-vacuum inlet flange of the oil diffusion pump
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-800 and VDP Jet-800
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Integrated Vacuum Baffles



LI-1000 INTEGRATED BAFFLE

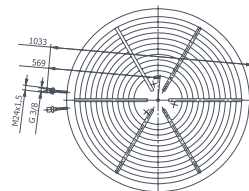
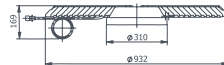
View: non-flanged

- ✓ The diameter of the conditional passage 1000 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (more than the enlarged MU oil baffle)
- ✓ Covers the entire area of the high-vacuum inlet flange of the oil diffusion pump
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-1000 and VDP Jet-1000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Extended Cold Cap Baffles



MU-500 EXTENDED COLD CAP BAFFLE



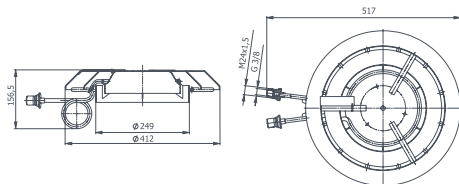
View: non-flanged

- ✓ The diameter of the conditional passage 500 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (fewer than the LI integrated vacuum baffle);
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

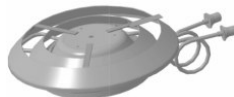
INSTALLATION

- It is installed inside the pump instead of the standard oil deflector,
- Suitable for the diffusion vacuum pump VDP-500 and VDP Jet-500
- Suitable for the booster vacuum pump VBP-500/12000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



MU-630 EXTENDED COLD CAP BAFFLE



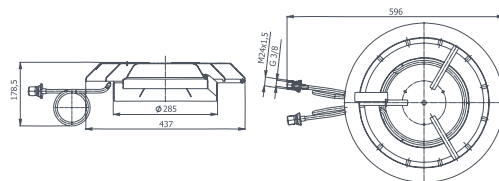
View: non-flanged

- ✓ The diameter of the conditional passage 630 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (fewer than the LI integrated vacuum baffle);
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector,
- Suitable for the diffusion vacuum pump VDP-630 and VDP Jet-630
- Suitable for the booster vacuum pump VBP-630/12000 and VBP-630/18000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions





Integrated Vacuum Baffles



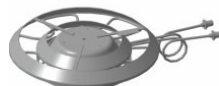
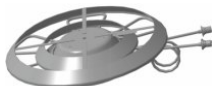
MU-800 EXTENDED COLD CAP BAFFLE

View: non-flanged

- ✓ The diameter of the conditional passage 800 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (fewer than the LI integrated vacuum baffle);
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-800 and VDP Jet-800
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.



MU-1000 EXTENDED COLD CAP BAFFLE

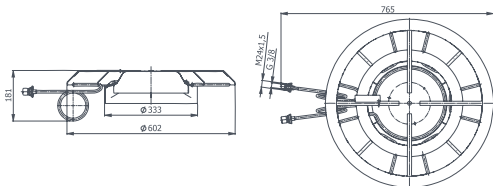
View: non-flanged

- ✓ The diameter of the conditional passage 1000 mm
- ✓ Copper construction
- ✓ Functions as an oil baffle
- ✓ Features additional cooled baffle elements for capturing backstreaming oil vapors (fewer than the LI integrated vacuum baffle);
- ✓ Climatic version: UHL4
- ✓ 12-month warranty

INSTALLATION

- It is installed inside the pump instead of the standard oil deflector.
- Suitable for the diffusion vacuum pump VDP-1000 and VDP Jet-1000
- It is suitable for vacuum pumps, systems, and installations from other manufacturers.

Dimensions



Dimensions

