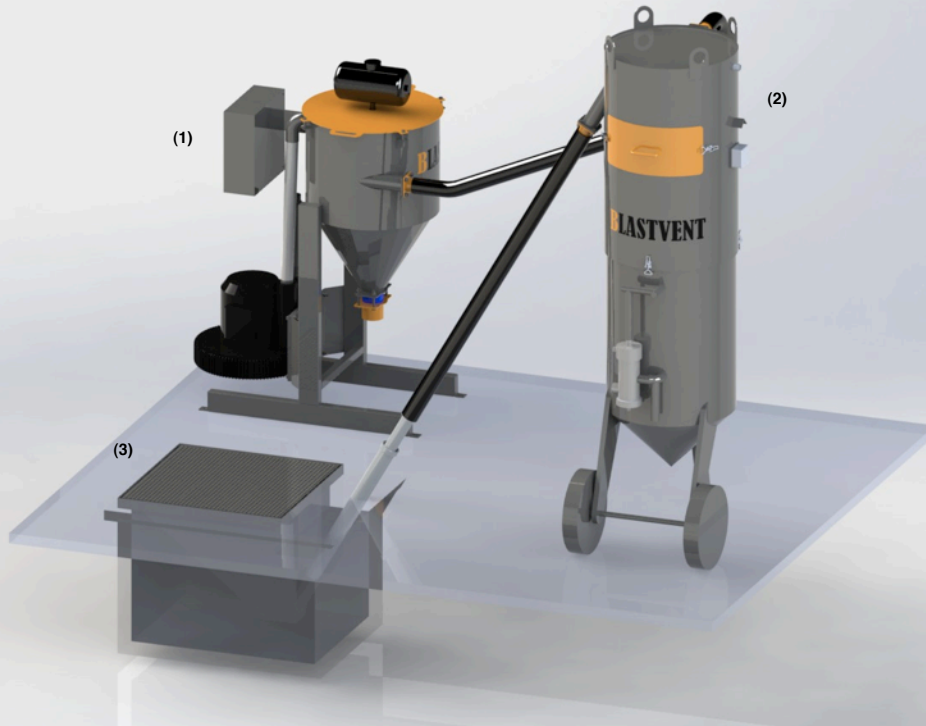


ABRASIVE VACUUM TRANSPORT SYSTEMS “COMPLEXA-V” SERIES

In industrial conditions, the collection, transportation and recuperation (purification) of any abrasive media is carried out by two types of systems: vacuum transport systems and mechanical transport systems.

In the **COMPLEXA-V series vacuum transport systems**, the air discharged by the vacuum pump moves the abrasive, i.e. abrasive media along with dust, dross, metal particles, dirt and debris is sucked out of the floor funnel and moved into the vacuum storage hopper. In the vacuum storage hopper abrasives are retained (dimensions of the retained particles can be adjusted), debris is deposited on a special grid, which can be easily cleaned. Clean abrasive media returns to the blasting machine and is ready to be used again whereas the air, which has passed the initial cleaning, moves together with dust and dirt into dust separation cyclone. Large dust accumulated in the dust separation cyclone is removed through the cone-shaped exit at the bottom, and the fine dust moves with the airflow into the suction unit, where it is finally cleaned with the built-in filter.

An example of a vacuum transport system is a COMPLEXA-V-220 model, designed for the “normal dust” conditions.



The system includes:

- Suction unit VORTEX-220-5,5 with an electric motor of 5.5 kW, an industrial cartridge filter, an exhaust muffler and an electric control panel (1)
- Vacuum storage hopper VSH-200-1 (2)
- Floor funnel FF-800/800-S, including a grid (3)
- Suction nozzle 2"
- Suction hose 2", 2 metres
- Connecting hose 2 ½", 3 metres
- Vacuum stabilizer-hose 1", 1.5 metres
- Hose clamps 2 ½", 4 pieces.
- Hose clamps 1", 2 pieces

Features and benefits:

- The system is technologically multipurpose
- Easy in installation
- Enables the transportation of abrasive media for long distances
- There is no any turbulence effect during transportation
- Enables the separation of even the smallest dust particles
- Replacement of cartridges is performed from the "clean zone" side

Blastvent vacuum transport systems can collect abrasive media from large and small distances. We offer standard systems from 5.5 kW to 110 kW that can be combined with different kinds of vacuum hoppers and dust separation cyclones:

- Systems for "normal" dust
- Systems for "high" dust
- Systems for "special" dust
- Lightweight systems - COMPLEXA-V-PORT
- High-power systems for "high" dust - COMPLEXA-V-REC
- High-power systems for "special" dust - COMPLEXA-V-VENT

Since the standard equipment does not meet the individual requirements of all customers, we offer a modular system that allows endless set combinations.

A well-planned abrasive recovery system results in significantly higher quality of blasting work and reduced dust formation in the working area that increases the performance of blasting operators.

The full range of COMPLEXA vacuum transport systems

Basic set	COMPLEXA-V-220	COMPLEXA-V-220-200-CY	COMPLEXA-V-220-200-CYSEP	COMPLEXA-V-220-1000	COMPLEXA-V-220-1000-CY	COMPLEXA-V-220-1000-CYSEP	COMPLEXA-V-750-2000-PORT	COMPLEXA-V-1600-2500-PORT	COMPLEXA-V-2000-2500-PORT	COMPLEXA-V-3000-5000-PORT	COMPLEXA-V-4000-10000-PORT	COMPLEXA-V-5000-10000-PORT	COMPLEXA-V-1600-2000-REC	COMPLEXA-V-2000-2000-REC	COMPLEXA-V-3000-2500-REC	COMPLEXA-V-750-2000-VENT	COMPLEXA-V-1600-2000-VENT	COMPLEXA-V-2000-2000-VENT	COMPLEXA-V-3000-2500-VENT
Suction unit	VORTEX-220-5.5	VORTEX-220-5.5	VORTEX-220-5.5	VORTEX-220-5.5	VORTEX-220-5.5	VORTEX-220-5.5	VORTEX-750-15	VORTEX-1600-30	VORTEX-2000-45	VORTEX-3000-75	VORTEX-4000-2X45	VORTEX-5000-110	VORTEX-1600-30	VORTEX-2000-45	VORTEX-3000-75	VORTEX-750-15	VORTEX-1600-30	VORTEX-2000-45	VORTEX-3000-75
Vacuum storage hopper	VSH-200-1	VSH-200-1	VSH-200-1	VSH-1000-2	VSH-1000-2	VSH-1000-2	VSH-2000-2	VSH-2500-2	VSH-2500-2	VSH-3000-2	VSH-10000-2	VSH-10000-2	VSH-2000M-2	VSH-2000M-2	VSH-2500M-2	VSH-2000M-2	VSH-2000M-2	VSH-2000M-2	VSH-2500M-2
Floor funnel	FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S							FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S	FF-800/800-S
Dust separation cyclone		CYCLONE-2%	CYCLONE-2%		CYCLONE-2%	CYCLONE-2%							CYCLONE-4	CYCLONE-4	CYCLONE-5				
Pre-separator			+			+													
Mechanical storage hopper													MSH-5/2	MSH-5/2	MSH-7/4	MSH-5/1	MSH-5/2	MSH-5/2	MSH-7/4
Abrasive separation unit													ASU-2	ASU-2	ASU-2	ASU-2	ASU-2	ASU-2	ASU-2
Dust collector																FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N
Suction nozzle	2" 1 pc	2" 1 pc	2" 1 pc	-	-	-	-	-	-	-	-	-	-	-	-	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N
Suction hose	2 metres	2 metres	3 metres	-	-	-	-	-	-	-	-	-	-	-	-	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N
Connecting hose	2 1/2"	2 1/2"	2 1/2"	-	-	-	-	-	-	-	-	-	-	-	-	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N
Vacuum hose	1"	1"	1"	-	-	-	-	-	-	-	-	-	-	-	-	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N
Hose clamps	1.5 metres 2 1/4 pc	1.5 metres 2 1/4 pc	1.5 metres 2 1/4 pc	-	-	-	-	-	-	-	-	-	-	-	-	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N	FILTAIR-2000-26-N



*COMPLEXA-V-2000-2500-PORT



*COMPLEXA-V-2000-2000-REC



*COMPLEXA-V-2000-2000-VENT



*COMPLEXA-V-2000-2500-PORT