

KMT Waterjet Abrasive Delivery System

ABRALINE V 900 HOPPER

EASILY LOAD ABRASIVE
--WHILE CUTTING!

CONTINUOUS LEVEL MONITORING
--FOR EFFICIENT PRODUCTION!

Production Reliability Requires Constant Vigilance during the entire cutting process. An economical & successful cutting process depends greatly on a constant abrasive flow rate. This fact becomes even more important when cutting brittle materials such as stone, marble or glass.



LARGE CAPACITY: 937 LB.

Abrasive Flow Monitoring saves Time & Costs

The ABRALINE V 900 Hopper precisely monitors the availability of sufficient abrasive closely during the entire cutting process. This protects your valuable material from damage and saves unnecessary costs and time. It's concept assures process stability, security and a very high degree of reliability.



Android



iOS



NEW! Cut Calculator APP 2.0

Compare 90,000psi to 60,000psi cutting.

Increase Productivity @ 90,000psi!



Dual Stage for a Continuous Abrasive Flow

The ABRALINE V 900 garnet transfer system consists of a large hopper for the abrasive with a smaller pressurized vessel located directly underneath.

The pressure vessel contains abrasive garnet pressurized by compressed air. The connected flexible hose guides the abrasive directly to the abrasive metering system (mini-hopper) of each cutting head.

Additionally, the system features a control cabinet with a PLC which continuously monitors operating states and garnet levels.

Sensors Monitor Abrasive Availability

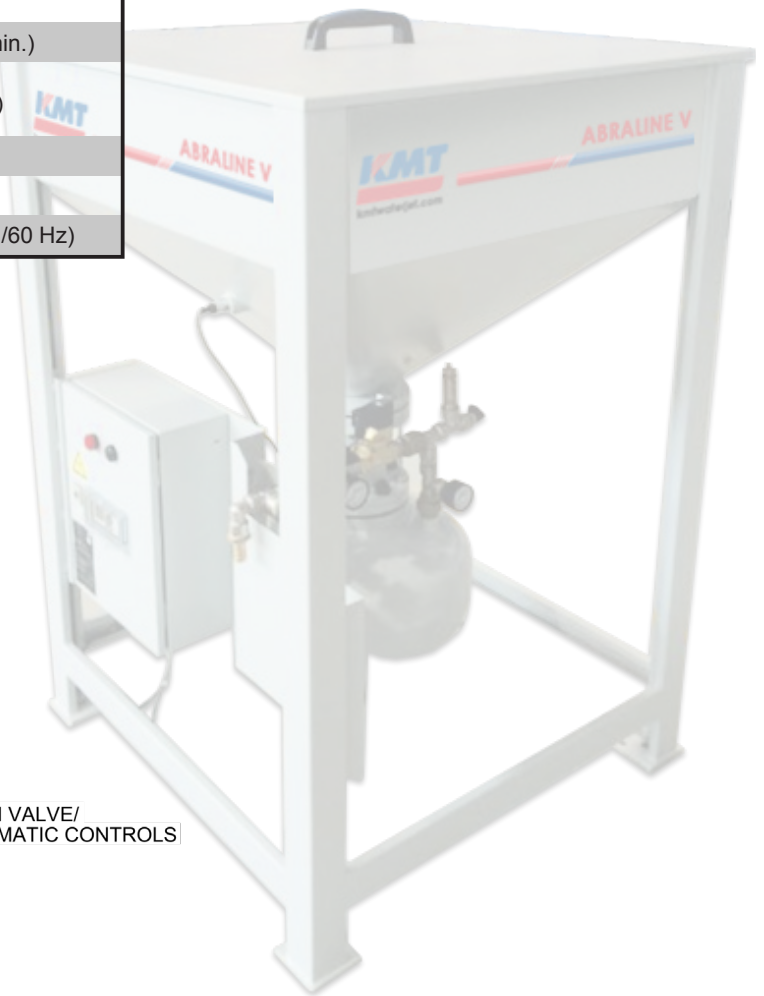
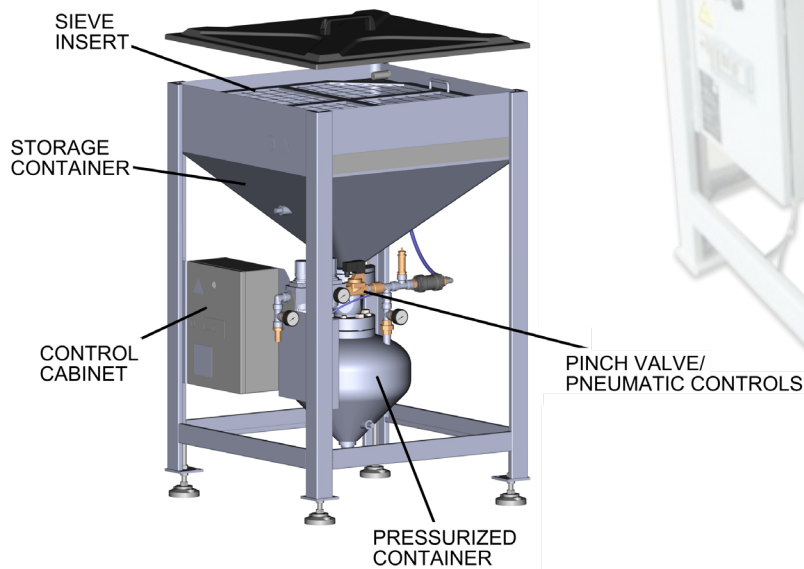
The hopper and pressure vessel contain level sensors. Their signals are constantly monitored by the PLC located in the electrical cabinet.

When the abrasive level in the pressure vessel reaches it's minimum, the respective sensor gives a signal to the PLC which then starts the refilling routine to automatically fill the vessel with abrasive.

When the abrasive level in the upper hopper tank reaches it's minimum level, a warning light flashes, notifying the operator to replenish the hopper with abrasive.

TECHNICAL SPECIFICATIONS	ABRALINE V
Empty Weight	247 lbs (112 Kg)
Length	33.8" (858 mm)
Width	33.8" (858 mm)
Height	54.8" (1,392 mm)
Supply Pressure	80-90 psi (5.5-6.2 bar)
Operating Pressure	30-65 psi (2-4.4 bar)*
Maximum Compressed Air Consumption	Dependent on abrasive material
Compressed Air Quality	Dry, condensation free and non-oiled
Max. Inlet Air Pressure	120 psi (8.4 kg/cm2)
Min. Inlet Air Pressure	90 psi (6.3 kg/cm2)
Min. Inlet Air Flow	20 scfm (560 l/s)
Abrasive Type	Mesh 80, Mesh 120
Abrasive Capacity	937 lbs. (425 kg)
Maximum Abrasive Flow	8.8 lbs./min. (4 kg/min.)
Hose Size, Connecting Storage Vessel & Metering Device	0.5 in. (12.7 mm)
Hose Max. Length	32 ft. (10 m)
Hose Max. Height Above Vessel	10 ft. (3 m)
Electric Supply	110 ~ 240 VAC (50Hz /60 Hz)

*Note: There must be a minimum of 30 psi (2 bar) delta between the supply pressure and the operating pressure.



THE HEART OF WATERJET CUTTING

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