

DYNASET HIGH PRESSURE DUST SUPPRESSION SYSTEM

DYNASET DUST SUPPRESSION SYSTEM SAVES ENVIRONMENT, SAVES WATER AND IMPROVES WORKING EFFICIENCY.

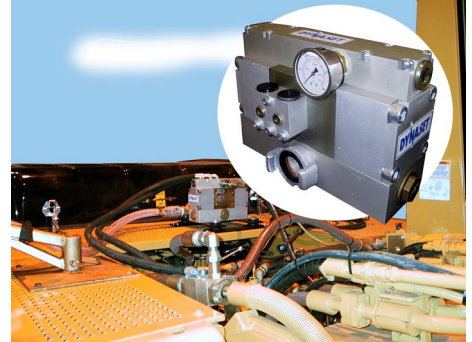
DYNASET DUST SUPPRESSION SYSTEM is applicable for demolition, mining, quarrying, earthmoving and other projects, where the considerable dust emission occurs.

DYNASET DUST SUPPRESSION SYSTEM is based on HPW – high pressure water pump, which is powered by the hydraulics of a carrier machine.

The high pressure nozzles are installed on the attachment and additionally on the machine's boom.

The water is atomised by high pressure to fine drops of extremely small size. The weight of waterbound dust particle increases dramatically which makes it to fall down. On the other hand, the size of water drop is so insignificant, that the dust particle does not become wet enough to make the working area muddy.

AN EFFECTIVE DUST PARTICLE BINDING AND LOW WATER CONSUMPTION ARE SPECIFIC FEATURES OF DYNASET WATER SUPPRESSION SYSTEM.



THE DUST SUPPRESSION EQUIPMENT KIT IS COMPRISED OF FOLLOWING COMPONENTS:

- HPW – high pressure water pump.**
- Solenoid valve with flow and pressure control** (suitable for open centre hydraulics as well as for load sensing closed centre hydraulics).
- Spray nozzle assembly** for continuous suppression.
- Spray nozzle assembly** for short-time high power suppression (can be used continuously).
- Water solenoid valve** 1/2"- 24V for power spray nozzles.



BASIC DYNASET SPRAY SUPPRESSION SYSTEMS:

ATTACHMENT	SPRAY SUPPRESSION SYSTEM
JAW CRUSHER	HPW 90-DUST
HAMMER	HPW 200-DUST
DRILL	HPW 200

In the most revealing way all features of DYNASET dust suppression are displayed when the system is used with jaw crusher, attached to the superboom excavator:



The basic nozzle installation aims high pressure water jets CONTINUOUSLY to the working zone of crusher, i.e. practically between crusher's jaws, when the water consumption is kept app. at 10 – 15 l/min.

High power nozzle installation is attached to the excavator's boom and aimed down towards the ground under the boom. System is activated by machine's operator from the cabin as frequently as necessary to suppress dust, which is raised from the ground by falling concrete fragments, bricks etc. The water consumption is app. at 50 – 80 l/min.



Even taste and smell of dust are taken away when DYNASET dust suppression system is in use !