



Controlling fugitive dust in mining, quarrying and power generation

Hydra-Cell®

Seal-less Pumping Technology

Seal-less pumps

- Pumps water with particles
- Run dry capable
- Very low operating costs

Dust-filled air can be a major environmental problem causing discomfort for people living and working near quarries. Created when crushing or transporting bulk materials, this problem can be easily solved by spraying the dust with

very fine water droplets, specifically where the dust is created. In this way, operators can stay within the constraints of occupational health and safety and environmental protection. Hydra-Cell® pumps play a crucial role in bringing down the cost of dust suppression.

Applications areas:



Hydra-Cell® solutions



Hydra-Cell® high-pressure, seal-less pumps power fugitive dust suppression, water fogging systems without the use of compressed air and the costly equipment used to generate it. They also help minimize water usage ensuring a drier working environment.

Hydra-Cell® pumps provide a virtually pulse-less flow of up to 138 lpm (36.5 gpm) at pressures up to 83 Bar (1200 psi) in order to serve systems with numerous spray heads. (Some models can operate up to 172 Bar (2500 psi)).

High reliability

- Designed for continuous or intermittent use
- Extended service intervals
- Operator proof... **can run dry without damage**
- Can pump grey/recycled water without the need for fine filtration.

Economical

Hydra-Cell® high efficiency, direct displacement pumps reduce power requirements while generating virtually pulse-less water flow. Hydra-Cells true positive displacement pump action ensures very high efficiency. eg 30 lpm at 30 Bar power required is 2 kW.

The seal-less design ensures high reliability, keeping maintenance cost to an absolute minimum.

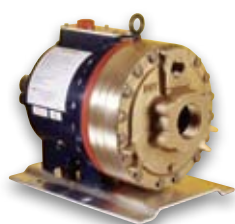
Safe

Hydra-Cell's design allows pump shaft speeds to run from 10 rpm to 1450/1000 rpm and discharge pressures to range from 1 Bar to 70/172 Bar.

Low servicing costs

- 6000 hours oil change intervals under normal conditions
- Quick to service
- Low cost of service parts

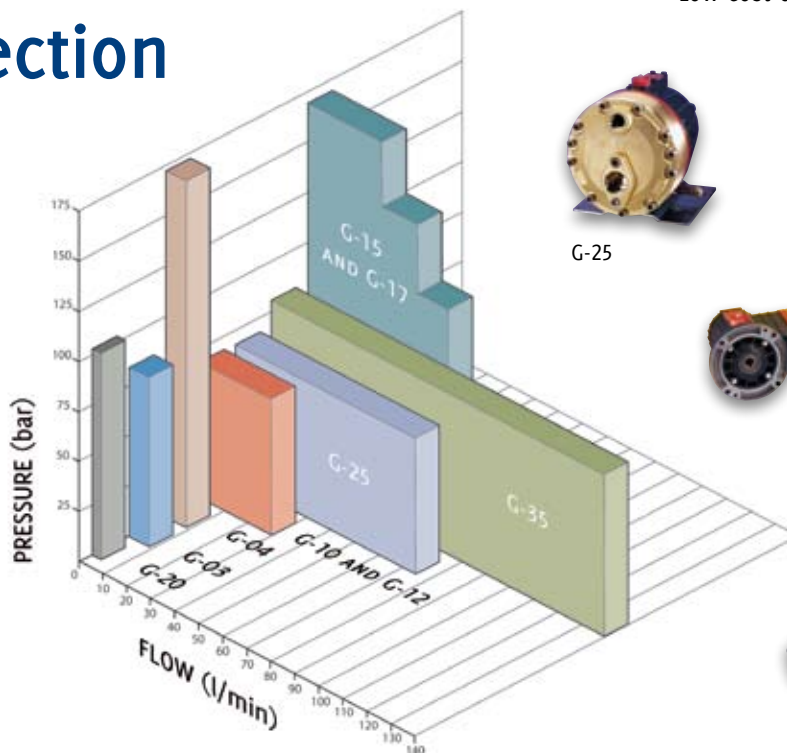
Pump selection



G-35



G-15/17



G-25



G-04



G-03



G-10



G-20

www.wannerint.com

WANNER INTERNATIONAL
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

WANNER ENGINEERING
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

WANNER PUMPS
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

WANNER PUMPS
Kowloon HONG KONG
t: +852 2112-1233
e: sales@wannerpumps.com