

VR2 Ratio Mixing Valve



Other features include:

- Microprocessor based remote controller.
- Tough cast aluminum body with corrosion- and wear-resistant finish.
- Easy-connections for the material inlet and outlet ports.
- Mounting bracket.

Options include:

- Stainless steel suction probe.
- 3.5m long flexible hose with clips.

Specifications

Max. throughput (approx.)	300 kg/hr
Elec. consumption (220V)	10 W
Working air pressure	3 ~ 5 bar
Voltage (single phase)	220 ~ 240V (1Ø)

The VR2 ratio mixing valve offers a simple, economical and highly accurate way to meter regrind / virgin material back to the processing machine. Furthermore, the VR2 can be used for mixing different types of virgin materials.

Unlike conventional mixing valves which require the operator to calculate and set loading times, the VR2, with its hand-held microprocessor controller, is set automatically by simply keying in the percentage of mix required. The preset time of the hopper loader can be divided into segments of cycle time, giving the benefit of 'layering' the different materials (usually virgin and regrind) to give optimum material mix. Both regrind ratio and cycle times are simply and precisely set by digital decade switches. To run the virgin station only, simply set the regrind percentage to '00'.

Two rapid response independent cylinders control the flow of the different materials and ensure on idle time whilst the material flows are being proportioned.

The VR2 is quickly and easily connected to the hopper loader to form an integral unit and only a single phase signal from the existing hopper loader is required to allow the unit to operate. To ensure optimum efficiency it is recommended that the mixing chamber is mounted in 'horizontal' position.

Dimensions

Valve body	width	140 mm
	depth	280 mm
	height	180 mm
	weight	3.5 kg
	inlet/outlet	38 mm
Remote controller	width	80 mm
	depth	50 mm
	height	170 mm
	weight	1.8 kg



Dual-cylinder design



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