

Reactor[®] H-VR

Variable Ratio Hydraulic Proportioner



Simple-to-operate variable ratio dispensing system

- For applications that require a range or difference in volumetric ratio
- Allows you to spray ratios from 1:1 to 2.5:1
- Infinitely adjustable volume ratio
- Easy to dial in and adjust the exact output of both A and B materials
- Dispenses polyurethane foams and polyurea coatings



For consistent, uniform mix of unique materials

Technical Specifications

Maximum output

At 1:1 ratio: 30 lb/min (13.6 kg/min) or 3.0 gpm (11.4 lpm)
 At 2.5:1 ratio: 20 lb/min (9 kg/min) or 2 gpm (7.6 lpm)

Maximum working pressure (at 1:1 ratio) 3500 psi (240 bar, 24.0 MPa)

Minimum working pressure (at 1:1 ratio) 1200 psi (83 bar, 8.3 MPa)

Maximum hose length 410 ft (125 m)

Maximum heater wattage 15,300 watts

Ratio range 1:1 to 2.5:1 (A:B or B:A)

Ratio accuracy +/- 5% of ratio (1:1 to 2:1)
 +/- 10% of ratio (2:1 to 2.5:1)

Power requirements

71A-230V, 3-ph Part No. 256886

41A-400V, 3-ph Part No. 256887

Weight 955 lb (433 kg)

Dimensions 58 H x 40 W x 40 D in (147 x 102 x 102 cm)

Operation manual 313539

Repair manual 313540

Simple operation

The Reactor H-VR provides infinitely adjustable volume ratio since both A and B pumps can be adjusted to dispense the correct amount of material. The ratio adjustment wheel allows you to dial in the exact volume ratio. As you adjust the volumetric ratio, the stroke length on the fluid pump is shortened or lengthened to reduce or increase the volume of material output. Once you have dialed in the correct volume ratio, simply secure the locking arm to prevent ratio fluctuations.

Ordering Information

Available as a complete proportioner that includes variable ratio frame and steel pallet.

Gun and hose sold separately.

256886 Reactor H-VR, 230-volt

256887 Reactor H-VR, 400-volt



Locking Arm

Prevents fluctuation of material ratios



Digital User Interface

Separate temperature and motor controls allow you to quickly set, maintain and monitor machine performance

Ratio Adjustment Wheel

Allows you to accurately dial in exact dispensing ratios

Fluid Pumps

Adjustable stroke length lets you control material volume output



Heavy-duty Steel Pallet

Built-in pallet for easy transport includes rugged caster kit for maneuverability



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