

JCS Industries Inc.

Model 4140 Chemical Injection Mixer



- **High volume, high energy mixing**
- **Safe & reliable operation**
- **Ease of operation & low cost maintenance**
- **Passes up to 2" solids**
- **Simplex & Duplex configuration**

The JCS Industries, Inc. Model 4140 Chemical Injection Mixer is a proven and reliable device that utilizes vacuum to safely and effectively induce both gaseous and aqueous chemicals into open channel water stream applications.

The low (1750) rpm mixer coupled with the durable high energy nozzle, delivers a high degree of mixing efficiency.

The robust design and high quality materials of construction will stand up to any harsh environment application.

Technical Specifications

Capacity 1HP	➤	Liquid 1,000 GPD / Gas 500 PPD
Capacity 5HP	➤	Liquid 20,000 GPD / Gas 2,000 PPD
Power 1HP	➤	120/240 vac single phase / 480 vac three phase
Power 5HP	➤	480 vac three phase
Operating Temp	➤	30° to 150° F
Connections	➤	1HP 1" FNTP / 5HP 2" FNTP
Connections	➤	1HP 5HP 1.0" FNPT 2.0" FNPT
Enclosure Protection	➤	NFMA 4X* When Supplied
Control Input	➤	Remote start/stop, timed alternation (Duplex)
Dimensions 1HP	➤	18"L x 18"H / Weight 42 Lbs (19.1 kg) (Pump)
Dimensions 5HP	➤	36"L x 30"H / Weight 220Lbs (100 kg) (Pump)

Characteristics

The JCS Model 4140 Chemical Injection Mixer is designed to induce gaseous and aqueous water treatment chemicals into an open channel water stream. The system utilizes low rpm pumping and a calibrated nozzle to produce a vacuum greater than 21" Hg. The chemical is pulled via the vacuum into the motive water flow to provide an initial mix and then to a final mix with the treatment stream.