

MERLIN HYPO DILUTION SYSTEMS

ONSITE HYPO GENERATOR BACK UP SYSTEM

601
BULLETIN

ACCOMODATES
DIFFERENT HYPO
STRENGTHS VIA
CONTROLLER KEYPAD

MAKE 0.8% FROM
TRUCK DELIVERED
HYPO

USE EXISTING
METERING PUMPS
& TANKS

ELIMINATE NEED
FOR REDUNDANT
GENERATOR

CAPACITIES FROM
50 TO 5000 PPD CL2



ANY SOLUTION STRENGTH AT THE TOUCH OF A BUTTON !

The MERLIN gives TOTAL flexibility by allowing you to enter any beginning chemical strength up to 100%

NEAT STRENGTH
PERCENT= 14.2

and then simply choosing a desired ending strength as low as 0.1%.

DILUTE STRENGTH
PERCENT= 0.8

As onsite hypo generators have become more common, more users want the ability to back these systems up in the event of failure. Buying a second generator is always an option, but a very expensive one!

Diluting truck delivered hypo so that the existing feed system can be used has been the logical answer, but until now, there has been no way to do this safely and accurately. The MERLIN dilution system is a fully automated and redundant system that eliminates operator contact with the chemical. The weight based batching system uses a method of continuously making batches on demand, tracking each step of the batching process to assure that desired concentration is achieved. Because it uses a scale to precisely measure out the amount of water and hypo required, the MERLIN system is not affected by variations in water pressure, chemical tank head and beginning hypo strength.



The electronic Hypo Dilution System is used with our Merlin Dilution Controller.

FORCE FLOW

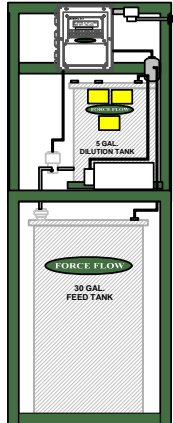
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MODELS & ORDERING INFORMATION



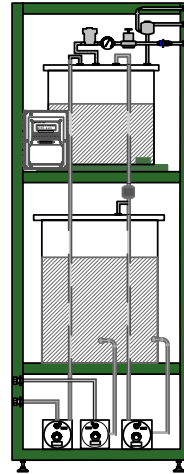
Model: MDS-5D30F
Capacity: 50 PPD c12



Height: 70"
Width: 22"
Depth: 26"
Batch Tank: 5 Gallon
Feed Tank: 30 Gallon



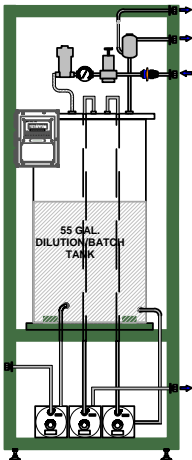
Model: MDS-17D55F
Capacity: 200 PPD c12



Height: 78"
Width: 29"
Depth: 31"
Batch Tank: 17 Gallon
Feed Tank: 55 Gallon



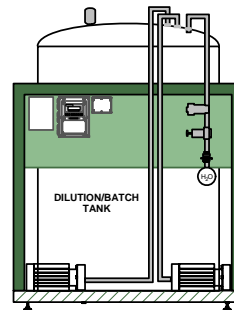
Model: MDS-55D
Capacity: 500 PPD c12



Height: 84"
Width: 33"
Depth: 24"
Batch Tank: 55 Gallon
Feed Tank: Specify



Model: MDS-500D
Capacity: 5000 PPD c12



Height: 56"
Width: 60"
Depth: 60"
Batch Tank: 500 Gallon
Feed Tank: Specify

TYPICAL SPECIFICATIONS

Dilution System shall use a system of automatically creating small weight based batches on demand to achieve dilution accuracies of up to 1/10th of 1%. Dilution system shall account for the difference of the specific gravity of water and the chemical used. The system shall use a microprocessor based controller to control the opening and closing of a water valve and chemical transfer pump to create a dilution batch. Dilution system shall be capable of diluting any strength of neat chemical solution to as low as a 0.1% chemical solution. Dilution system shall be pre-assembled, calibrated and tested prior to delivery. Complete dilution system shall include all necessary piping, valves, plumbing connections, transfer pumps, dilution tank, weight sensors, controller and relays necessary for sole source responsibility. System shall allow _____ (chemical type) to be delivered from supplier at _____ % strength and shall then dilute chemical to _____ % solution strength, but shall not be limited to this strength. System shall have a maximum capacity of _____ gallons of diluted chemical per day. Diluted chemical shall be automatically transferred from a _____ gallon batch tank to a _____ gallon feed tank. Force Flow, 2430 Stanwell Dr., Concord, CA 94520 USA (www.forceflow.com) or equal.

FORCE FLOW