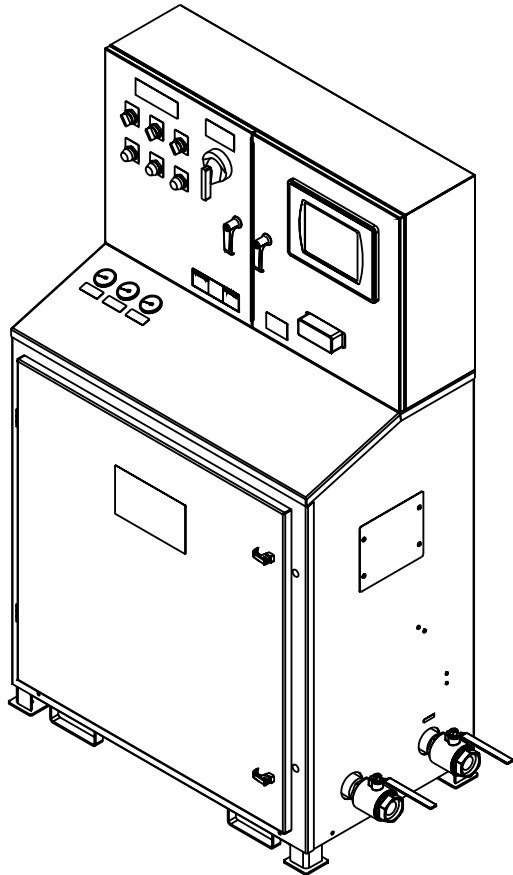


# Martin® Surfactant Dust System

The **Martin® Surfactant Dust System** applies surfactant agents using a fully automated system to maintain consistent treatment application while avoiding surfactant agent waste. The actual details of the surfactant application are determined by the needs of the customer and the specific environment. Each system is custom engineered to match your operating requirements.

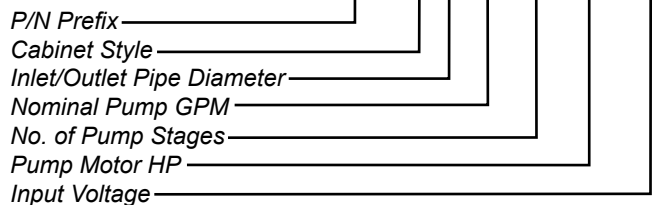
Surfactant agents reduce the surface tension of water, improving the water's ability to wet surfaces and form fine droplets. When surface tension is reduced, random collisions between droplets of water and dust fines will result in the wetting and enlargement of the dust particles to the point they will drop out of suspension in the air.



## FEATURES AND BENEFITS:

- Automatic flow adjustment eliminates surfactant solution waste and cost.
- Industry-leading quality components provide reliable dependable operation.
- Spray nozzles specially selected for individual requirements.
- Sensors detect material load and belt speed to signal control unit and activate system.
- Consistent solution-to-water ratio at any flow level.
- Soft-start pump eliminates stress on pipes.
- Adjustable pump sizes allow flexibility for system upgrades and added requirements.
- Visual operational status indicator lights.
- Customized surfactant agents to suit specific requirements.
- Remote monitoring capability eliminates unnecessary visual inspections.

## NOMENCLATURE **DSSS-X 2 XX XX XX XXX**



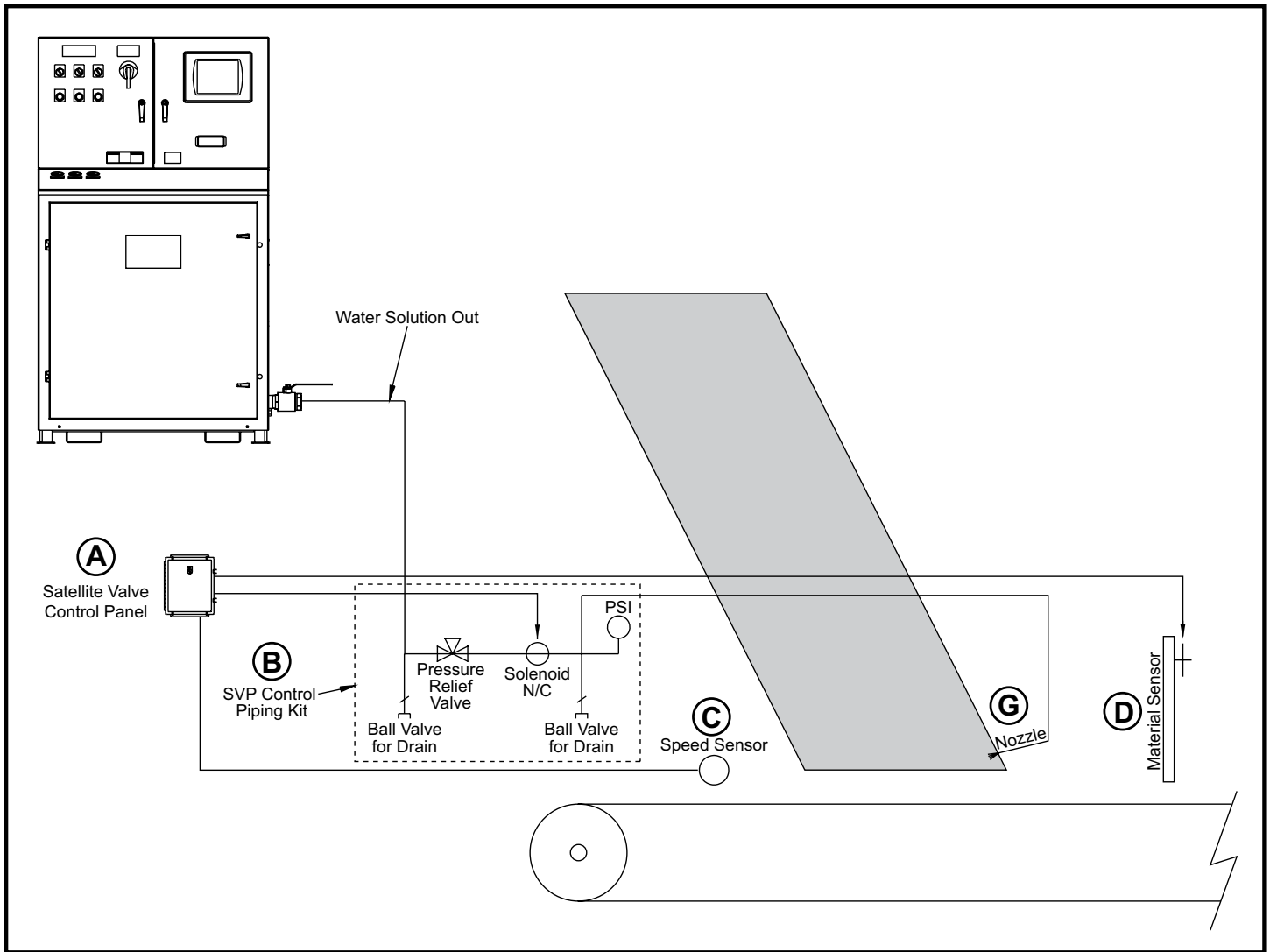
### CABINET STYLE

- A:** Style A
- B:** Style B

### INLET/OUTLET PIPE DIAMETER

**2:** 2 inch

# TECHNICAL DATA SHEET



## ACCESSORIES

ITEM	DESCRIPTION	P/N	QTY
A	Satellite Valve Control Panel (SVP)	DSSS-040-0028	
B	SVP Control Piping Kit (includes pressure reducing valve, activation solenoids, and manifold as required)	For 1 Nozzle	DSSS-020-0011
		For up to 4 Nozzles	DSSS-020-0012
		For up to 8 Nozzles	DSSS-020-0013
C	Conveyor Speed Sensor	DSSS-040-0011	
D	Material Sensor	DSSS-040-0008	
E	Sensor Mounting Brackets for Head Chutes	DSSS-020-0007-HX	
F	Sensor Mounting Brackets for Conveyor Stringer	DSSS-020-0007-SX	
G	Spray Nozzle Kit	DSSS-020-0001	
H	Basket Strainer Piping Kit	DSSS-020-0014	



**Martin Engineering USA**  
 One Martin Place  
 Neponset, IL 61345-9766 USA  
 800 544 2947 or 309 852 2384  
 Fax 800 814 1553  
 www.martin-eng.com

**COMPANY WITH  
 QUALITY SYSTEM  
 CERTIFIED BY DNV  
 = ISO 9001:2008 =**

**Problem Solved™ GUARANTEED!**

Form No. L3996-02/14  
 © Martin Engineering Company 2014