

# Dosing Skid Systems

## GRUNDFOS DSS

The DSS is a pre-engineered floor or panel dosing system package that offers integrated controls and one, two or three pump configurations designed to accurately meter liquid chemicals for a variety of water supply/treatment systems, as well as industrial and manufacturing applications. At the heart of each DSS is the Grundfos metering pump: hydraulically actuated and mechanically actuated pumps including SMART Digital Dosing pumps with stepper motor technology offering up to 3000:1 flow turndown.

### Key Features and Benefits

- Grundfos SMART Digital Dosing pumps provide precise performance and reliability in a complete solution
- Available in one, two and three pump system configurations making the system suitable for a broad scope of applications
- Plug and pump solution ensures quick and easy installation
- Pre engineered system allows quick delivery, even for customized skids
- Factory tested to the highest standard to ensure trouble free installation
- Floor and wall mount provides a wide range of flexible installation solutions
- User friendly panel options include: junction, HOA, plug only, and none
- Control cables options include: analog/pulse/stop input, relay output and analog output
- Durable materials include PVC/CPVC pipe and EPDM/ Viton gaskets
- Available with or with pulsation dampener
- ISO certified manufacturing options

#### Custom ETO Dosing Skid Systems

Grundfos understands that there are applications and installations that require a completely unique Engineered to Order (ETO) solution for project based work. The custom DSS may be constructed in nearly any configuration and include any dosing pump offered by Grundfos. The Custom ETO systems are reliable solutions built with Grundfos quality and sure to meet your project needs.



#### APPLICATIONS

- Sodium hypochlorite
- Sodium bisulfate
- Alum
- Potassium permanganate
- Sodium hydroxide
- Acids
- Anti-scalants

# DSS Technical Data

## DSS INFORMATION (Standard)

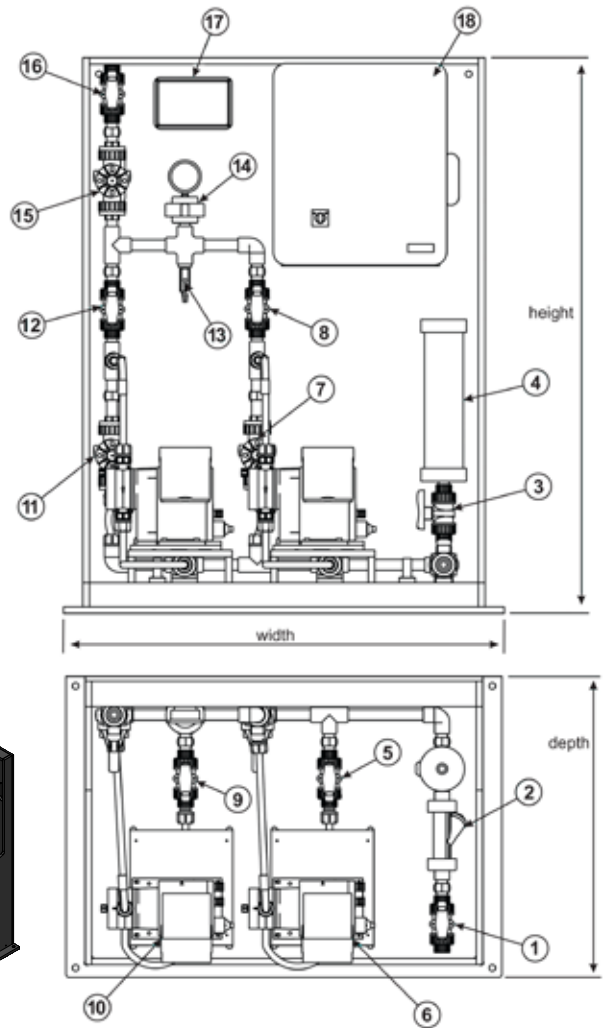
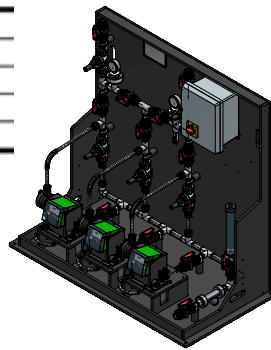
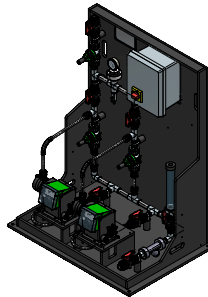
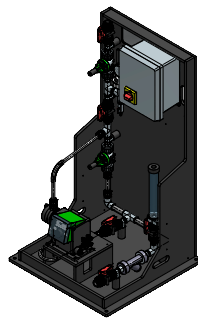
Flow, Q:	0.0007 to 8 gph
Operating pressure:	max. 150 psi
Turndown ration:	max. 3000:1
Power:	115 VAC / 60Hz / 1 phase

## DSS INFORMATION (Custom ETO)

Flow, Q:	0.0007 to 556 gph
Operating pressure:	max. 2900 psi
Turndown ration:	max. 3000:1
Power:	115 or 230 VAC / 50 or 60 Hz / 1 or 3 phase

### COMPONENTS

Pos.	Description
1	Inlet isolation valve
2	Y-strainer
3	Calibration column isolation valve
4	Calibration column
5	Dosing pump inlet isolation valve
6	Dosing pump
7	Pressure relief valve
8	Dosing pump outlet isolation valve
9	Dosing pump inlet isolation valve
10	Dosing pump
11	Pressure relief valve
12	Dosing pump outlet isolation valve
13	Sample valve/bleed valve
14	Pressure gauge with diaphragm gauge guard
15	Back pressure valve
16	Discharge isolation valve
17	Nameplate
18	Junction box/control panel (optional)



### DIMENSIONS

Smart Digital Dosing Skid System Dimensions			
	Height	Width	Depth
Simplex	43"	24"	23.5"
Duplex	43"	34"	23.5"
Triplex	43"	46"	23.5"