



YOUR PRETREATMENT HOUSE

SDS SLUDGE SCREW THICKENER

MANUFACTURED BY
 FLUITECO®

Designed to thicken municipal or industrial sludge, the **SDS** is the perfect combination of reliability and performance.

SDS - DESIGN

The flocculated sludge is transported by a special SDS screw, passing through a wedge wire drum, loses the water that makes up the sludge itself.



The inlet sludge can be composed of approximately 0.4% DS and with SDS it can be thickened up to 6%

SDS
THICKENS
UP TO
6%



A self-cleaning screw combined with a washing system, guarantees cleaning and therefore maximum efficiency.

BENEFITS

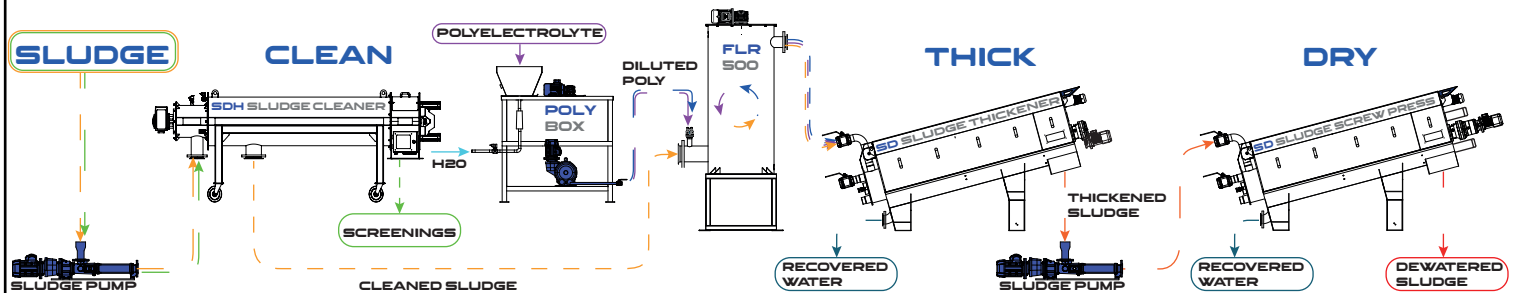
FLUITECO SDS SLUDGE THICKENER

*Less than 1%
of residual solids*

- HIGH RELIABILITY
- LOW ENERGY CONSUMPTION
- COMPACT & FULLY ENCLOSED DESIGN
- LOW NOISE LEVEL
- INDOOR AND OUTDOOR INSTALLATION
- SIMPLE CONTROL SYSTEM
- HIGH AND CONSTANT PERFORMANCE
- SIMPLE & MINIMAL MAINTENANCE

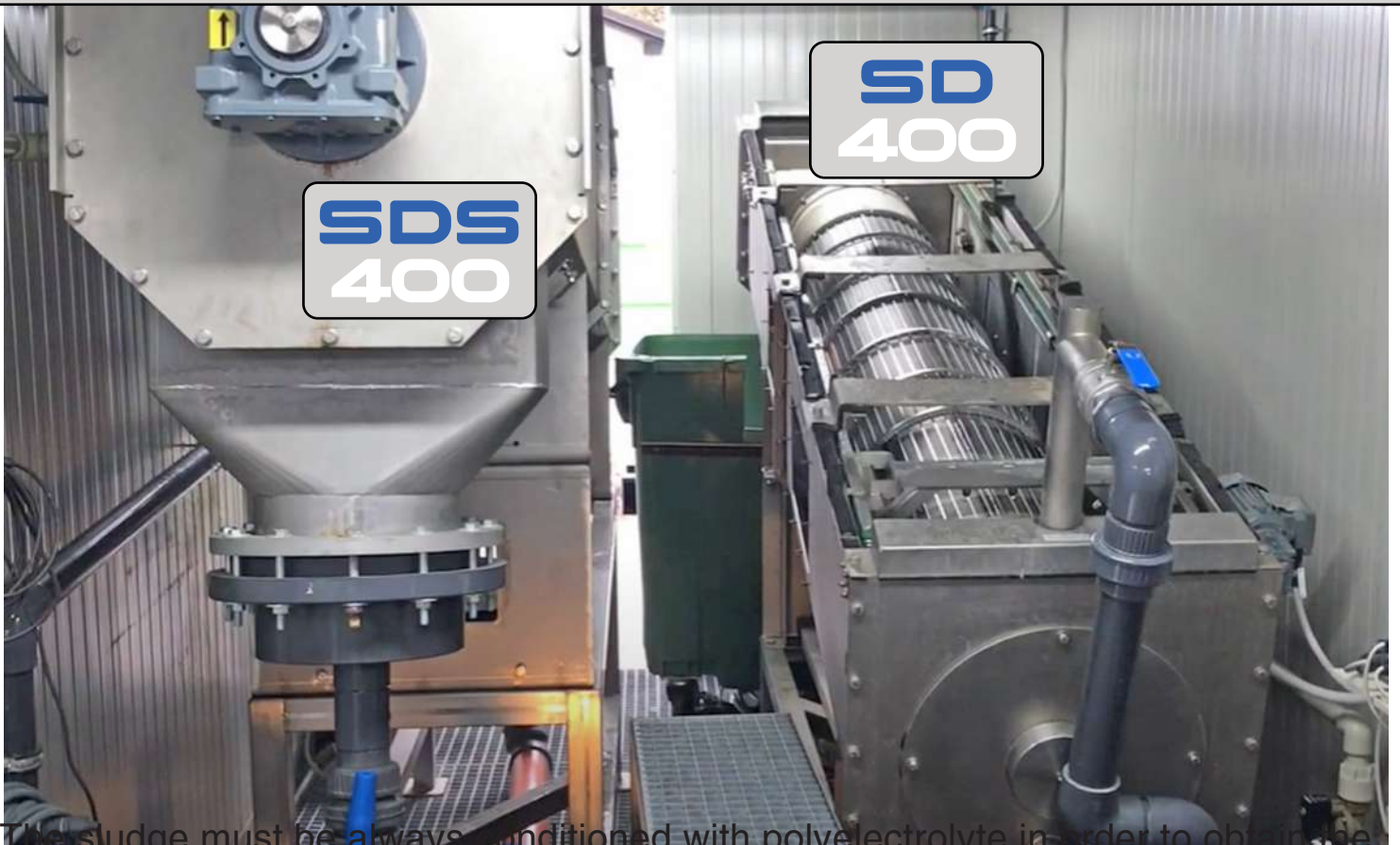
Up to 6%DS

SLUDGE PROCESS



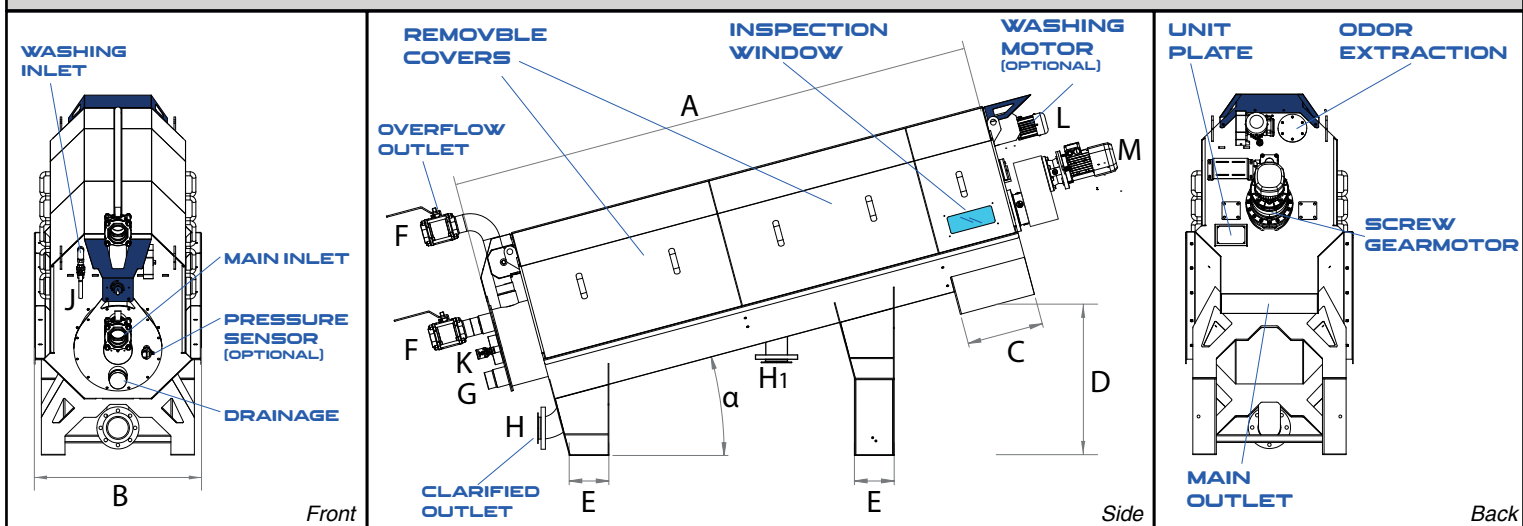
*The layout is for illustrative purposes. Different options with **SDH SLUDGE CLEANER**, **POLY BOX** AND **SD** can also be considered.*

INSTALLATION



The sludge must be always conditioned with polyelectrolyte in order to obtain the correct flocculation before being processed with SD and/or SDS.

SLUDGE THICKENER SCREW UNIT



TECHNICAL DATASHEET

Model	SDS200	SDS400	SDS700	SDS900	SDS1200
FLOW					
Solids Content	Hydraulic Capacity m3/hr				
0,4-1%	6	15	50	80	100
CONSTRUCTION MATERIALS					
Screw	SS304 SS316 micro alloy steel painted				
Carpentry	SS304 SS316				
FILTRATION STAGES					
Type	Wedge Wire from 0,25 up to 0,5 mm				
DIMENSIONS					
A	2500mm	2770mm	4200mm	5200mm	
B	618mm	874mm	1230mm	1458mm	
C	300mm	400mm			
D	680mm	740mm	760mm	930mm	
E	207mm				
α	15°		10°		
PIPES					
F	2"	3"		4"	
G	3"	4"	5"	6"	
H	3"	4"	5"	6"	
H1	None		5"	6"	
J	3/4"		1"		
Washing l/h	540	600	780	990	
MOTORISATIONS & DEVICES					
K	Pressure Sensor (OPTIONAL)				
L	0,12kW (OPTIONAL)			0,18kW (OPTIONAL)	
M	0,75kW	0,75kW	1,1kW	1,5kW	2,2kW

SELF-CLEANING BRUSHES



WASHING SYSTEM OPTIONS

FIX



OR MOTORIZED



HEAVY DUTY EXECUTION

