



**YOUR PRETREATMENT HOUSE**

# SD SLUDGE SCREW PRESS

MANUFACTURED BY  
**FLUITECO**

Designed to dewater municipal or industrial sludge, the SD is the perfect combination of reliability and performance.

## DESIGN 2022

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



In the last stage of this process there is a cone which pneumatically regulates the counter thrust in order to obtain high performance.



A self-cleaning screw combined with motorized washing which, running through the entire drum, guarantees cleaning and therefore maximum efficiency.



## DESIGN 2022



## BENEFITS

**FLUITECO SD SLUDGE SCREW PRESS**

- 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

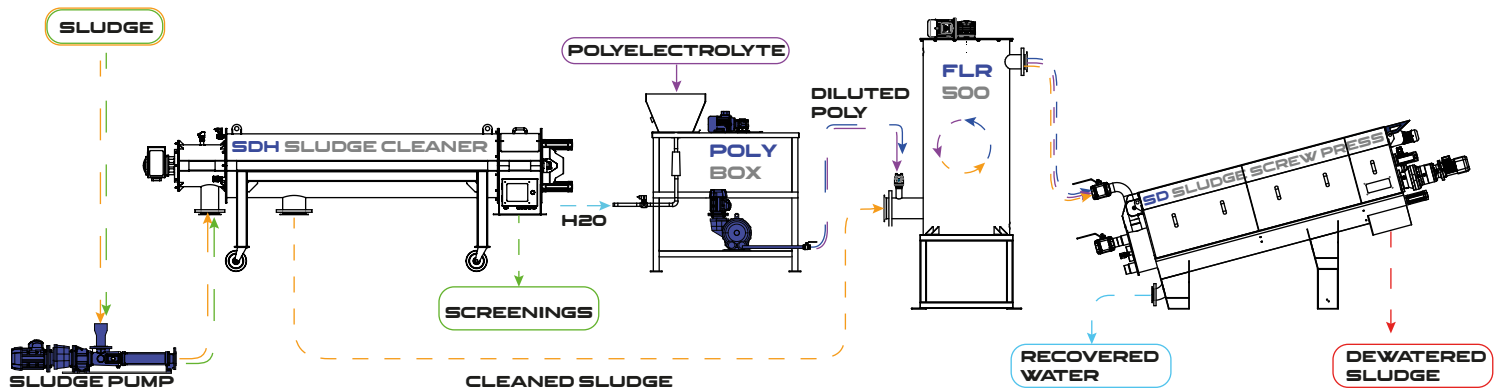


Less than 5% of residual solids



Up to 25%DS

## SLUDGE DEWATERING PROCESS



The layout is for illustrative purposes. Different options with **SDS SLUDGE THICKENER** can also be considered.

## INSTALLATIONS AROUND THE WORLD



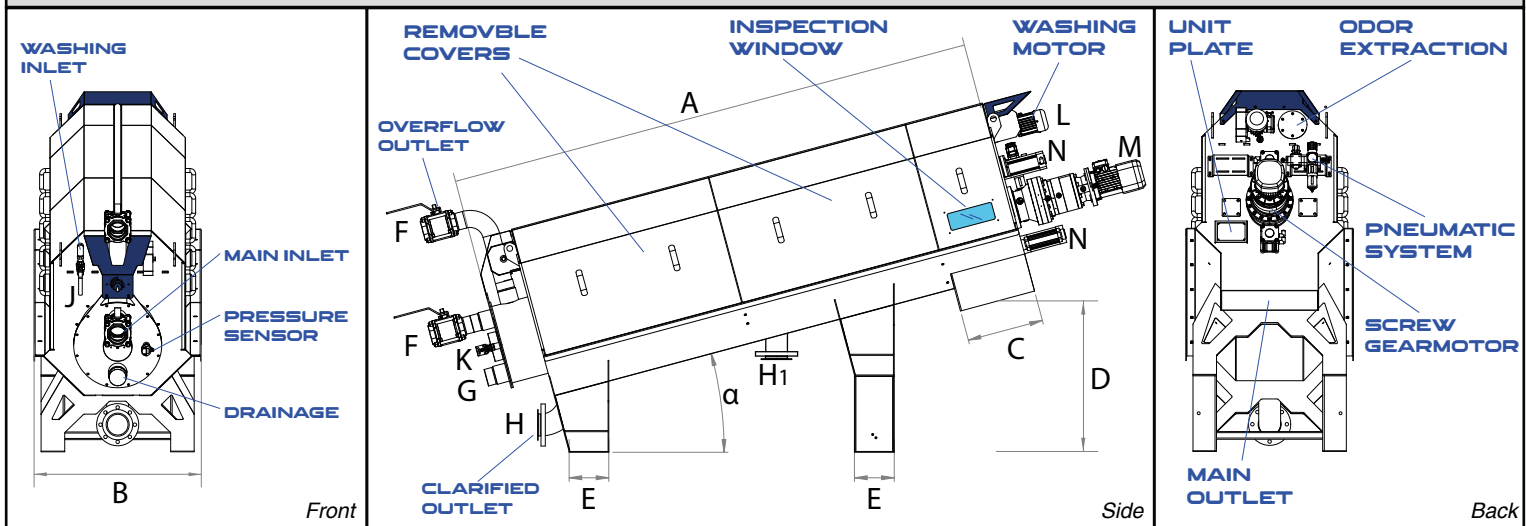
## SKID



Fluiteco offers a complete and compact system for sludge dewatering and water recovery.



# SLUDGE SCREW PRESS UNIT



## TECHNICAL DATASHEET

Model	SD200	SD400	SD700	SD900	SD1200
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### FLOW

Solids Content	Hydraulic Capacity m3/hr				
	<2%	1,1	3,8	8	16,3
3-6%	0,8	1,8	3,9	7,7	15
7-10%	0,55	1,3	2,4	5,1	7,7

### FILTRATION STAGES

Wedge Wire	0,5   0,4   0,15mm	0,5   0,4   0,25mm
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### 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"
H	3"	4"	5"
H1	None		5"
J	3/4"		1"
Washing l/h	540	600	780
			990

### MOTORISATIONS & DEVICES

K	Pressure Sensor (OPTIONAL)			
L	0,12kW		0,18kW	
M	0,55kW	0,75kW	1,5kW	2,2kW
rpm	up to 0,86			3kW
N	50/100	80/100		
Air l/s	2-4			
Air System	COMPLETE INCLUDED - IN-BOX SS OPTIONAL			

## MATERIALS

Manufactured in SS304 or 316  
Painted iron screw option

### PNEUMATIC, AIR & MOTORIZED WASHING



### SYSTEMS INCLUDED



### HIGHLY ASSURED



### COMBINED WITH HEAVY DUTY EXECUTION

