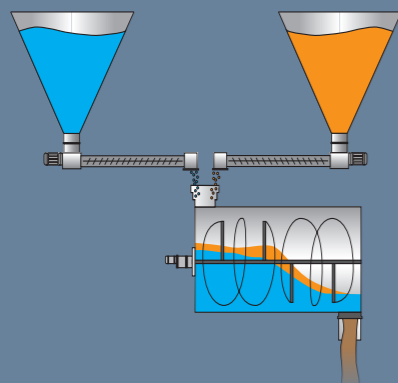


Monorotor Mixer

Plow Share & Blade - Continuous



Capacity: 75 to 25,000 litres
Objectives: high capacity and high quality mix



CONTINUOUS MIXING OF MATERIALS

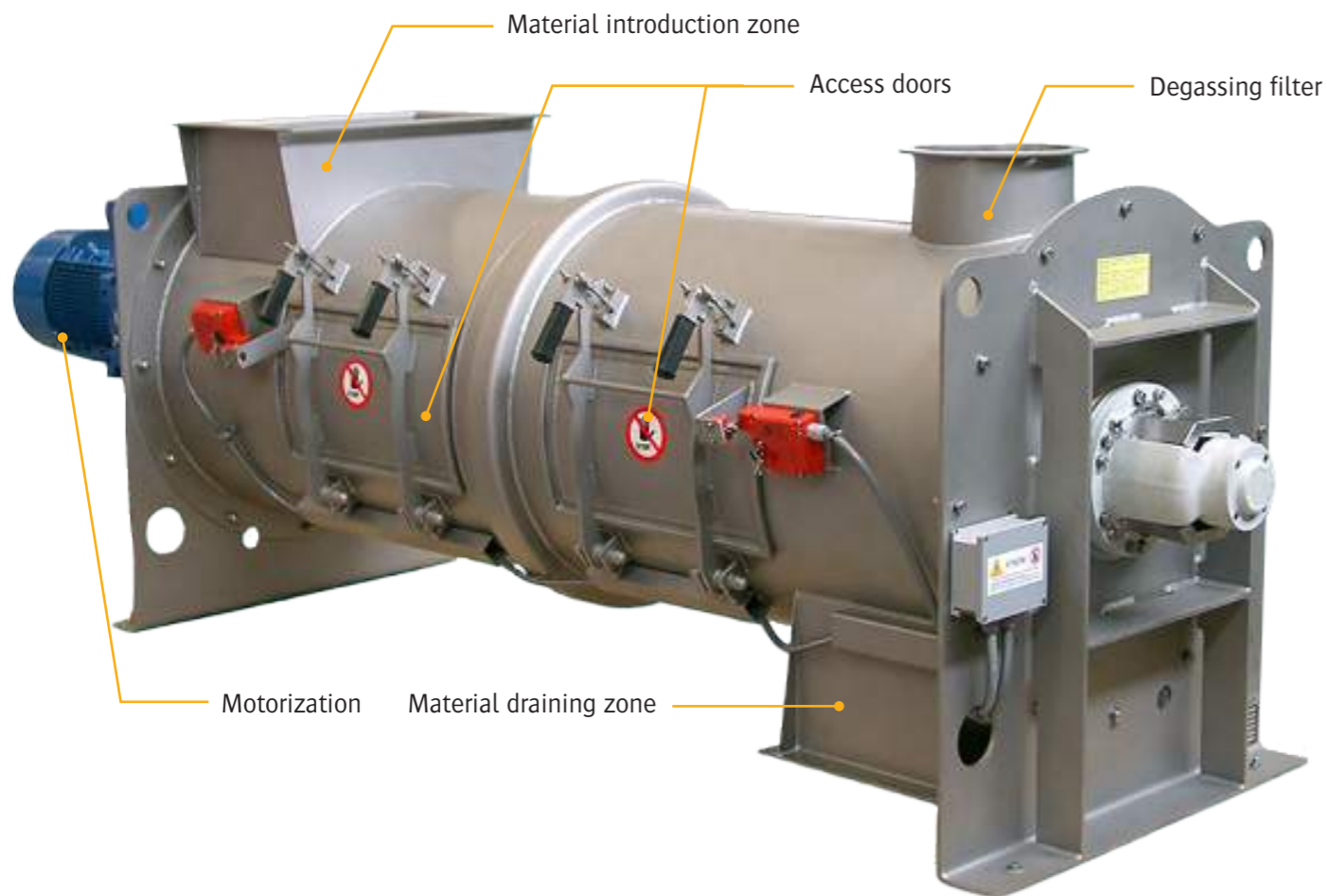
The continuous process is suitable for mixtures with a limited number of components and important manufacturing campaigns. The feeding of materials to be mixed is continuous, without interruption. MRSC continuous mixers are suitable for dry solids (powders, granules, short fibers), dry solids + liquids (moistening + granulating), sludges and low-viscosity pastes.

TECHNICAL SPECIFICATIONS

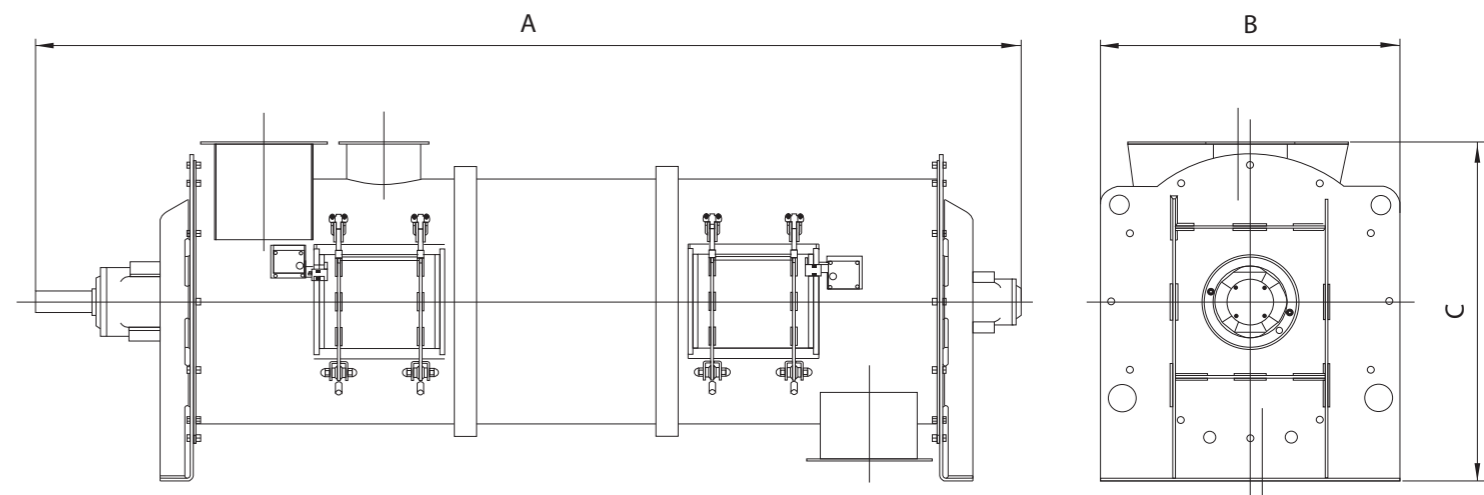
- Manual cylinder or pneumatic actuator for slide valve
- Adjustable slide valve
- Adjustable flow by slide valve on outlet
- Adjustable filling rate from outside without stopping the mixer
- Minimum Residual in case of complete draining
- Rate from 2 to 1,000 m³/h. according to mixing recipe and mixer configuration
- Stand-by state of mixing

OPERATING MODE

Maximum quality of mixing is obtained when the material reaches the outlet opening. Continuous mixers MRSC operate on the principle of mechanically produced fluidized layer. Plow share or inclined blade shaped tools rotate closer to the horizontal cylindrical tank by lifting the components to be mixed from the material layer towards the open mixing area.



DIMENSIONS in mm.



Models	A	B	C	Rate per duration of stay in dm ³ /h. 50% filling		Tare weight (kg)
				60 s.	180 s.	
MRSC 75	1,690	485	556	2.022	0.674	210
MRSC 150	1,960	570	634	4.031	1.344	350
MRSC 300	2,220	670	801	7.892	2.631	580
MRSC 500	2,550	770	920	13.716	4.572	840
MRSC 1000	3,140	930	1,118	27.993	9.331	1,390
MRSC 1800	3,670	1,100	1,265	50.170	16.723	2,100
MRSC 3000	3,920	1,340	1,472	82.577	27.526	2,800
MRSC 4800	4,510	1,500	1,800	134.281	44.760	3,800
MRSC 6000	4,816	1,600	1,860	165.708	55.236	4,500
MRSC 8800	5,325	1,810	2,133	245.796	81.932	5,840
MRSC 10500	5,580	1,910	2,237	295.322	98.441	6,600
MRSC 15000	6,090	2,110	2,465	411.885	137.295	8,200
MRSC 20000	6,617	2,312	2,665	549.180	183.060	11,903
MRSC 25000	6,888	2,432	2,735	686.475	228.825	13,653

Management of rate and duration of stay of the material in the tank are carried out according to two technologies:

- The diaphragm valve, that is a controlled and sealed valve for powders, powdered or granulated material. It consists of a diaphragm which is held by rings at each end. The upper ring is fixed, while the lower ring rotates to gradually reduce the passage opening. In a 180° rotation position, the passage is completely closed. This version is better for monoprocesses in which setting operations rarely occur.

- The slide gate valve which cuts the passage of the fluid via the central blade and provides a complete sealing. Height adjustment from the outside allows simple and easy setting of batches changing.

Mixing tools



Plow shares

Blades