

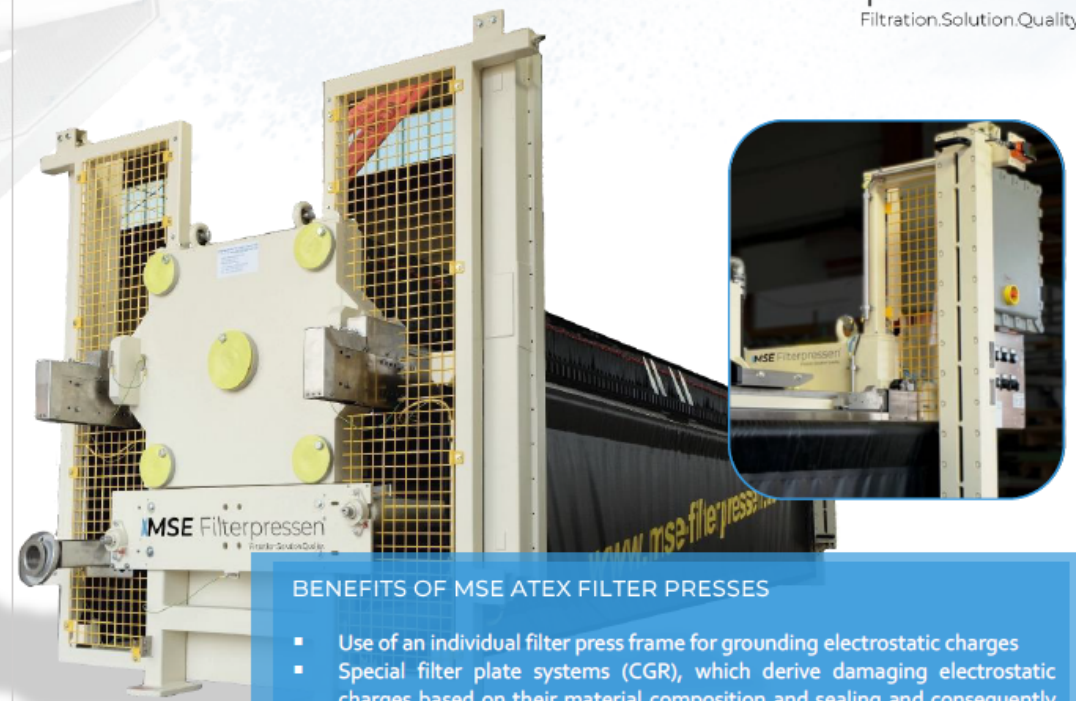
# MSE ATEX FILTER PRESS

## AFP 400 - 2000

On the one hand, ATEX filter presses differ only slightly from conventional filter presses. The basic architecture, the working principle and process engineering are identical. However, the difference is in their structural protection measures. Here, the ATEX filter press, with its specific requirements, complies with the ATEX directives. As a result, these types of filter presses are designed for a high level of safety and explosion protection.

### ATEX „ATMOSPHÈRES EXPLOSIBLES,,

ATEX derives its name from the French term " ATmosphères EXplosibles". It consists of two EU directives governing explosion protection and thus the equipment and working environment in an environment with an explosive atmosphere. ATEX filter presses are especially used in filtration processes in the chemical, petrochemical, oil and gas extraction, mining, food and waste water sectors. With their design, as well as the selected materials, they comply with all the requirements of the ATEX certification in potentially explosive areas.



### BENEFITS OF MSE ATEX FILTER PRESSES

- Use of an individual filter press frame for grounding electrostatic charges
- Special filter plate systems (CGR), which derive damaging electrostatic charges based on their material composition and sealing and consequently enable a much longer service life of the filter plates
- Special filter cloths that allow the grounding of electrical charges through the conductive fibers
- Use of special low conductivity plastics, e.g. PVDF, antistatic TPE and PP
- Use of aluminum-free paint
- Use of special hydraulic power units, cabling, safety light curtains, control cabinets, valves and sensors for the ATEX area

Size	Pressure max.(bar)	Max. chamber vol.	Filter cake thickness	FilterCloth Acidification	FilterCake blow drying	FilterCloth washing	FilterCake washing	Plate shifter	Core blowing/ core rinsing	Spreader cloth	Vibrating device I	Vibrating device II	Membrane technology	Splash guard	Corrosion protection
AFP 400	30	148	15-50mm	+	+	-	-	+	+	+	+	+	-	+	+
AFP 470	30	208	15-50mm	+	+	+	X	+	+	+	+	+	X	+	+
AFP 500	30	295		+	+	+	X	+	+	+	+	+	X	+	+
AFP 630	30	576	15-50mm	+	+	+	X	+	+	+	+	+	X	+	+
AFP 800	30	1288	15-50mm	+	+	+	X	+	+	+	+	+	X	+	+
AFP 1000	30	2530	15-50mm	+	+	+	X	X	+	+	+	+	X	+	+
AFP 1200	30	4104	15-50mm	+	+	+	X	X	+	+	+	+	X	+	+
AFP 1500	30	9594	15-50mm	+	+	+	X	X	+	+	+	+	X	+	+
AFP 2000	30	20360	15-50mm	+	+	+	X	X	+	+	+	+	X	+	+