

## Magnetic separators MMUW & MMUD



Bühler offers a range of magnetic separators, including the MMUD for flour and bran, and the MMUW for granular materials, designed to remove ferrous contaminants efficiently. These separators play a crucial role in protecting downstream equipment and ensuring high product quality.

### Application

These magnetic separators are indispensable in the cleaning sections of grain mills, and food processing plants. Ideal for flaky, powdery, and granular materials such as bran, flour, and grains, and other industrial applications where product purity and machinery protection are paramount.

### Working principle

Both models use a swing-out magnetic core fastened to a door, providing easy cleaning access. Ferrous particles are attracted and retained on the magnetic core. Remote monitoring via an electronic Magnetostat ensures continuous operating reliability by alerting maintenance personnel when the magnetic field strength drops below a specified threshold.

#### Characteristics



**High-efficiency separation:** Magnetic field strengths ranging between 3500-6000 gauss.



**Ease of maintenance:** Swing-out magnetic core design facilitates easy cleaning.



**Robust design:** Stainless Steel housing and optimized diameter to enhance separation efficiency.



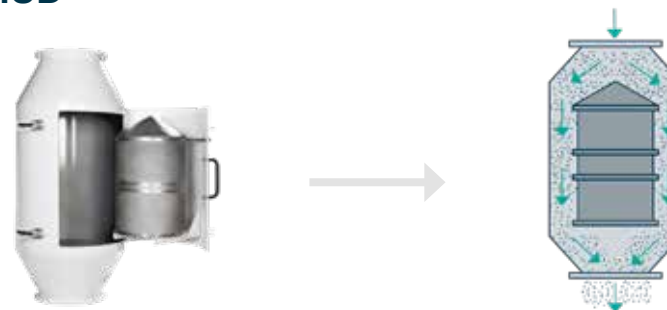
**Remote monitoring:** Equipped with continuous monitoring by Magnetostat for timely maintenance.

## MMUW



The type **MMUW** for granular materials is available in six different sizes. The design version for granular materials is equipped with a material brake to reduce the flow velocity and thereby improve the separation of tramp iron.

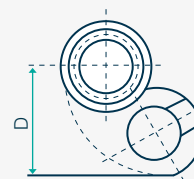
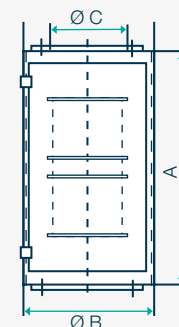
## MMUD



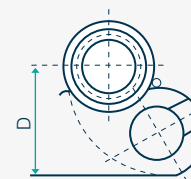
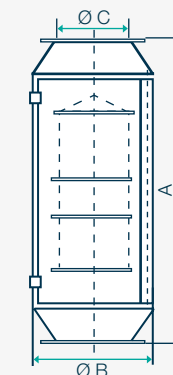
The type **MMUD** for flour and bran has the magnetic core fastened to its swing-out door, which provides easy access to the core for removing the adhering ferrous matter. Flaky and powdery materials such as bran and flour flow in a thin curtain past the magnetic core.

## Technical data

Type	Inside diameter of pipe Ø C mm	Dimensions			Approx. weights in kg			Volume seaworthy packing in m³
		A mm	Ø B mm	D mm	net kg	gross kg	by sea kg	
<b>MMUW-12</b>	120	530	220	280	33	46	51	0.07
<b>MMUW-15</b>	150	560	300	390	63	83	93	0.15
<b>MMUW-20</b>	200	650	400	480	120	144	156	0.25
<b>MMUW-25</b>	250	730	480	580	160	190	220	0.35
<b>MMUW-30</b>	300	760	540	690	210	242	258	0.45
<b>MMUW-40</b>	400	910	700	820	320	360	380	0.65
<b>MMUD-12</b>	120	660	220	245	45	55	60	0.1
<b>MMUD-15</b>	150	800	300	360	70	90	100	0.2
<b>MMUD-20</b>	200	950	400	475	120	145	155	0.35
<b>MMUD-25</b>	250	1060	480	565	165	195	215	0.35
<b>MMUD-30</b>	300	1090	540	630	240	275	295	0.6
<b>MMUD-40</b>	400	1250	700	820	350	405	430	0.8



Inline magnet for granular materials, type **MMUW**



Inline magnet for floury materials, type **MMUD**

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