

Automatic Hopper Scale.

MSDL



Exact weighing.



Automatic Tubex hopper scale – for accurate weight measurement.

Wide variety of applications

The Buhler MSDL automatic hopper scale is the ideal solution for in-plant process control. This is a discontinuously hopper scale without jacketing. Its throughput capacity ranges from 12 m³/h to 90 m³/h.

Outstanding measuring accuracy

- The design of the MSDL allows a smooth and low-vibration weighing process.
- The weigh hopper is suspended at three points. This ensures high stability of the weighing cycle.
- The outstanding quality of the load cells guarantees an extreme measuring accuracy.
- The MEAG universal control system with its smart weighing algorithms ensures optimum accuracy.

Maximum product purity thanks to ideal geometry

Thanks to the optimized geometry of all components in contact with the product, the MSDL automatic hopper scale has only minimum dust traps. This minimizes the possibility of product adhesion and thus maximizes product purity.

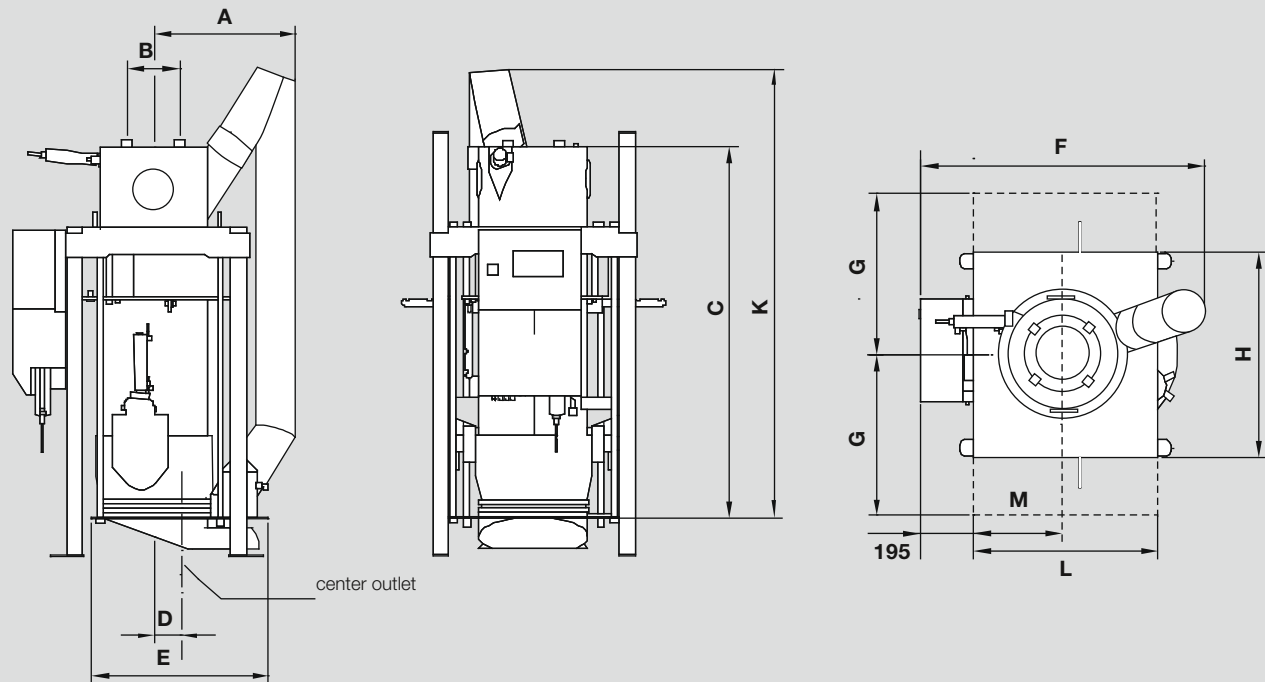
Low maintenance requirement

- This hopper scale does not have any lubrication points.
- Easy-to-exchange system components.
- High-grade seals maximize the service life of the bearings.

Features

- Outstanding precision
- Superior sanitation
- Minimal maintenance

High operating reliability. Superior sanitation.



Technical data, dimensions (mm), weights

Model	A	B ø i	C	D	E ø o	F	G min.	H	K	L	M
MSDL-40	535 ¹⁾	200	1068	100	666	1057 ²⁾	600	770	1351	685	330
MSDL-80	535 ¹⁾	200	1388	100	666	1057 ²⁾	600	770	1671	685	330
MSDL-120	733	300	1409	125	906	1303	800	950	1950	850	375
MSDL-160	733	300	1577	125	906	1303	800	950	2125	850	375
MSDL-240	733	300	1834	125	906	1303	800	950	2380	850	375
MSDL-300	733	300	2048	125	906	1303	800	950	2595	850	375

Model	Throughput max. ^{3), 4)}	Net dump in liters ^{3), 4)}	Compressed air requirem. at 6 bar ⁶⁾	Electr. connection value	Floor loading with upper/ lower surge hopper, product approx. kg	Approx. weight in kg			Volume sea pack.
	m ³ /h	dm ³	NI/dump	W	kg	net	gross	sea pack.	m ³
MSDL-40	12	40	7.1	70	350	212	280	320	1.16
MSDL-80	24	80 ⁵⁾	7.1	70	420	230	290	330	1.52
MSDL-120	36	120	19.7	70	700	370	400	450	2.30
MSDL-160	48	160	27.6	70	800	385	510	570	2.43
MSDL-240	72	240	33.8	70	1000	425	540	600	2.56
MSDL-300	90	300	50.4	70	1200	450	570	630	2.82

¹⁾ With "air recycling to upper surge hopper" option: A = 646 mm

²⁾ With "air recycling to upper surge hopper" option: F = 1130 mm

³⁾ Max. 300 dumps/hour

⁴⁾ Bulk density max. 1.2 t/m³

⁵⁾ But maximum 75 kg/dump

⁶⁾ Compressed air: min. 5 bar

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