

# Differential Proportioning Scale MSDG.

Transflowtron  
MSDG -  
high-precision  
measurement and  
regulation.



**Differential Proportioning Scale Transflowtron**  
for high precision control and measurement.

## High-precision control and measurement

Continuous wheat processing operations are monitored online and controlled on the basis of the throughput. The MSDG differential proportioning scale ensures high-precision measurement and regulation.

## All quality assurance requirements are satisfied

As a mass flowmeter, the differential proportioning scale is applied for high-precision weight and throughput measurement of a given product stream.

As a mass flow controller, it maintains a selected throughput at exactly the specified rate and registers the total weight. The differential proportioning scale is applied underneath storage bins, raw materials or tempering bins to ensure absolutely uniform wheat blends.

## Continuous product stream at consistent throughput

The weigh hopper with its clamshell-type proportioning gate is suspended from the support frame through three high-quality rod-type force transducers. The electronic MEAF control and evaluation system control the pneumatic diaphragm actuator, thereby adjusting the throughput to a preselected desired value.

## Process-oriented regulation

- Simultaneous blending with proportioning scales
- Throughput-oriented process regulation
- Gravimetric measurement of quantity
- Recipe-oriented admixtures

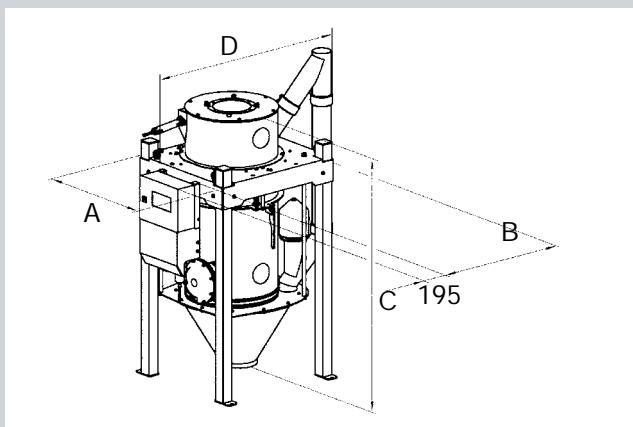
# High-precision measurement of free-flowing bulk materials.

## Process-oriented measurement

- Highly accurate weighing of the quantity of a given product stream

## Easy operation thanks to electronic control system MEAF

- Determination of flow rate
- Regulation of throughput
- Specification of the total weight
- Measurement of the total weight at high accuracy



Transflowtron Scale in a flour mill.

## Technical data, dimensions (mm), weights

Type	Capacity* t/h	Dimensions in mm				Compressed Air requirement NI/h	Max. Floor loading kg	Approx. Weight kg			Volume m <sup>3</sup> sea pack.
		A	B	C	D			net	gross	sea packed	
MSDG - 30	12	685	770	1081	1065	1200	190	160	240	280	2.1
MSDG - 60	24	685	770	1319	1065	1200	240	180	270	315	2.4
MSDG - 140	60	850	950	1793	1285	1200	480	340	475	540	4.3
MSDG - 200	80	850	950	2045	1285	1200	565	365	510	580	4.7

\* based on cleaned and dry wheat (H<sub>2</sub>O < 14%) with bulk density of 0.75 t/m<sup>3</sup>