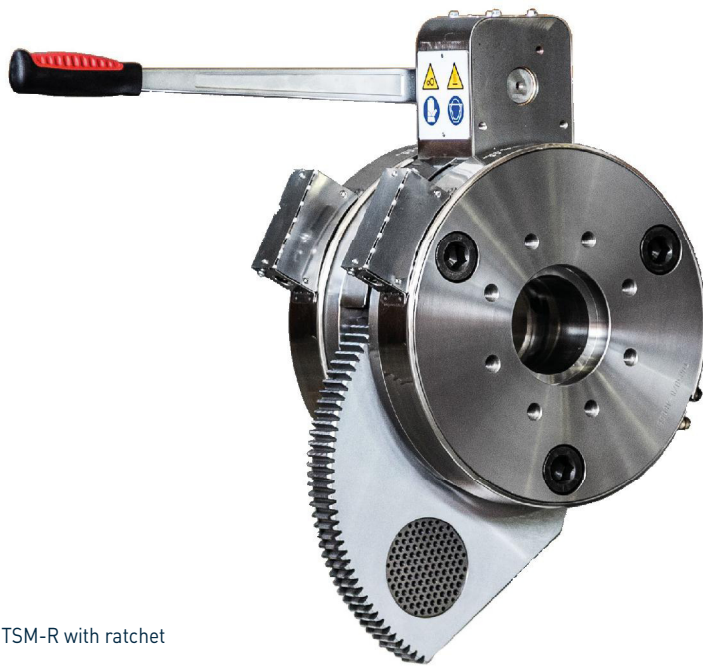


Manual Screen Changer TSM / TSM-R

without ratchet / with ratchet



TSM-R with ratchet

The manual Screen Changers of the TSM series are cost effective and reliable filtration devices for extruder lines.

The proven transmission allows an easy screen change even within limited spaces and offers highly effective sealing force. Manual Screen Changers are mainly used for materials with low contamination levels, for lab application or as a protection for melt pumps.

- Cost effective filtration device
- Free flow channel geometry
- Easy to operate and maintain

Benefits:

- Reliable and leak free operation
- Short material residence time
- Highly suitable by limited space availability
- Low pressure consumption

Options:

- Stainless steel
- Oil, steam or electrical heating
- High-temperature design up to 450°C
- Special coating for abrasive/corrosive applications



Functional Principle:

A rheologically optimized flow channel guides the incoming melt flow into the screen cavity. The cavity is equipped with a filtration screen and a supporting breaker plate. The second screen cavity is located outside the melt steam.

If a screen change becomes necessary due to rising differential pressure, a short system stop is required to change the filtration screen without pressure.

With a simple manual swivel movement a screen change can be carried out without great effort.

Applications:

- Compounding
- Masterbatch
- Fiber
- Sheet/Film
- Profile/Pipe
- Granulation

Features:

- Manual operation
- Process pressure up to 600 bar
- Differential pressure up to 100 bar

Manual Screen Changer TSM / TSM-R >>> Data based on: Polyolefin 's, Filter fineness 200 µm

Model	Filter Area	Extruder Throughput	Heating Power
TSM / TSM-R 35	10 cm ²	25 - 45kg/h	1,2 kW
TSM / TSM-R 45	16 cm ²	30 - 80kg/h	2,6 kW
TSM / TSM-R 50	20 cm ²	35 - 85kg/h	2,6 kW
TSM / TSM-R 60	28 cm ²	60 - 150kg/h	2,6 kW
TSM / TSM-R 65	33 cm ²	70 - 175kg/h	2,6 kW
TSM / TSM-R 75	44 cm ²	80 - 200kg/h	3,4 kW
TSM / TSM-R 80	57 cm ²	110 - 290kg/h	3,4 kW
TSM / TSM-R 90	64 cm ²	120 - 300kg/h	5,5 kW
TSM / TSM-R 100	79 cm ²	140 - 350kg/h	5,5 kW
TSM / TSM-R 120	113 cm ²	200 - 500kg/h	6,6 kW
TSM / TSM-R 160	201 cm ²	350 - 800kg/h	8,4 kW