

THE MILESTONE IN COMPACT
DOSING TECHNOLOGY.

▶ **TOP 700**
DOSING SYSTEM



24
MONTH
WARRANTY



TRY-IT-FIRST
TEST **FREE OF**
CHARGE &
WITHOUT
OBLIGATION

SMART SILICONE SOLUTIONS

TOP CONVEYED
TOP MIXED
TOP IN USE



COMPACT - EFFICIENT - RELIABLE - PRECISE

With ELMET dosing systems, process stability is the top priority. The TOP 700 impresses not only with its compact design (the smallest 20-liter/5-gallons system on the market) and cost-effectiveness, but also with its reliable continuity and the outstanding quality of the manufactured parts. With its precise mixing ratio of silicones and additives, the TOP 700 sets a new milestone on the market. It enables precise dosing at the highest level, leading to outstanding results.

POWERFUL

- ▶ Delivery rate more than 5 liters/minute / 1.32 gallon/minute*
- ▶ Max. Pump pressure 210 bar / 3046 psi

STABLE & PRECISE

- ▶ Stable pressure curve during dosing thanks to material pressure limiter
- ▶ High-precision volume counters guarantee exact mixing ratios and maximum process stability. 2.0 µl/Imp (512.000 Imp/L)

ECONOMIC EFFICIENCY

- ▶ Material utilization per container up to 99 %
- ▶ High-quality components = service life of 20+ years
- ▶ Low maintenance costs

ENERGY EFFICIENCY

- ▶ Electrical energy consumption approx. 50 Wh
- ▶ Minimal idling losses - no pressure loss

VERSATILE IN USE

- ▶ UL and CE compliant
- ▶ Viscosity range: 0.001 to 1000 Pas**

SAFETY

- ▶ Safest system on the market (EN ISO 13849-1)
- ▶ Fully automatic drum change from the edge of the drum
- ▶ Air detection

USER-FRIENDLY

- ▶ Can be fully integrated into machine control systems (OPC UA | Euromap 82.3)
- ▶ Fully automatic de-airing
- ▶ Intuitive and simple operation

PROCESSING UNIT 40D12

- ▶ Modular design
- ▶ Flow-optimized
- ▶ Integrated cooling
- ▶ Simple clamp connection
- ▶ Easy cleaning (step by step video)
- ▶ 45° & 90° connection

ADDITIVE LINES

FLEXIBLE & PRECISE

- ▶ Additive container: 1 l / 4 l / 20 l
0.26 gal / 1.06 gal / 5.28 gal
- ▶ Controlled additive supply
(resolution < 0.1µl/Imp)

* Measured with silicone oil at $\dot{\gamma}=10$ 1/s $\eta = 2.7$ Pas (A+B component)

** $\dot{\gamma}=10$ /s

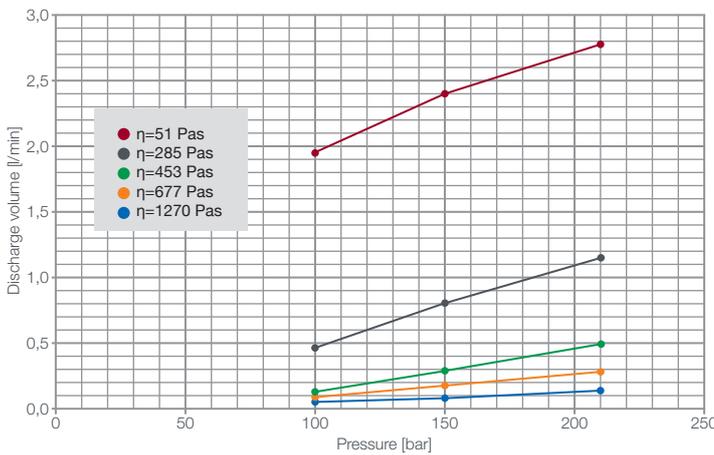
**MORE THAN
30 YEARS OF
EXPERIENCE**

TECHNICAL INFORMATION TOP 700

Dimensions L/W/H	799 x 600 x 1775 mm 31.5 x 23.6 x 69.9 inch
Drum size	20 liters / 5 gallons
Drum change	3 sides (180°) in 2 minutes automatically guided
Usable materials [Pas]**	0.001 to 1000
Delivery rate per component @ 2.7 Pas	> 2500 cm ³ /min
Maximum delivery pressure	210 bar / 3046 psi
Power supply	100 - 264 VAC, 4 A
Air supply	6 bar – 1000 NL / min (1/2")
Additive lines	max. 6
Static mixer	1 Standard (Expandable)
Volume counter	Yes
Certifications	CE, UL, RoHS

Eco-Mix	Standard
Simultaneous drum emptying	
Fix-Mix (Freely selectable mixing ratio)	Standard
Shore-Mix	Optional
LSR Select	Optional
Barcode drum detection	Optional
Wheels	Standard
Customized paint work	Optional
Process documentation USB	Standard
OPC UA	Standard
Euromap 82.3	Standard
Remote maintenance via VNC	Standard
Premium Connectivity	Optional
Simplex	Optional
1 dosing system to 2 IMM	
Tandem	Optional
2 dosing systems in alternating operation	

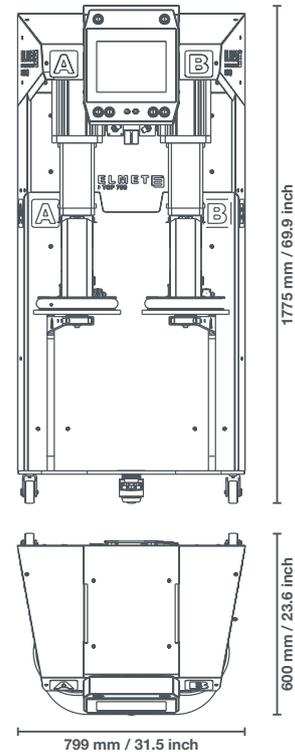
DELIVERY RATE PUMP UNIT S



Viscosity measured at $\dot{\gamma}=10/s$



**TOP 700
LEARN MORE**



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MOLDING TECHNOLOGY.
TURNKEY SOLUTIONS.
PRODUCTION SOLUTIONS.



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ELMET 01/2026 | INT

FOR MORE THAN 30 YEARS

we have been developing customized, innovative solutions for our customers. As a global high-end full system and service provider for the processing and dosing of liquid silicone (LSR), we at ELMET are among the leading specialists in this field.



SMART SILICONE SOLUTIONS

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