

TECHNICAL PERFECTION
REDUCED TO THE ESSENTIALS.

▶ **TOP 3100**
DOSING SYSTEM



12
MONTH
WARRANTY



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

TOP CONVEYED
TOP MIXED
TOP IN USE



REDUCED TO THE ESSENTIALS.

The dosing system has been reduced to the essential components without compromising on performance, process stability or service life. We guarantee not only the highest part quality, but also reliable continuity in your production. With a precise mixing ratio of silicones and additives and outstanding economy, the TOP 3100 sets a new standard on the market and extends Elmet's product range with another top dosing system.

POWERFUL

- ▶ Delivery rate up to 5 liters/minute / 1.32 gallon/minute*
- ▶ Max. Pump pressure 200 bar / 2900 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.
15.6 µl/Imp (64,000 Imp/L)

ECONOMIC EFFICIENCY

- ▶ Material utilization per container up to 99,6 %
- ▶ High-quality components = service life of 20+ years
- ▶ Low maintenance costs

ENERGY EFFICIENCY

- ▶ Minimal idling losses – only 50 watts – thanks to a pneumatic pressure accumulator
- ▶ Maximum average power consumption of 300 watts

VERSATILE IN USE

- ▶ UL and CE compliant
- ▶ Viscosity range: 0.001 to 3000 Pas** (>16,000 Pas***)

SAFE

- ▶ Safest system on the market (EN ISO 13849-1)
- ▶ Air detection

USER-FRIENDLY

- ▶ Communication protocol OPC UA (Optional)
- ▶ Guided drum change
- ▶ 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 < 0.1 µl/Imp)

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

** $\dot{\gamma}=10 \text{ 1/s}$ | *** $\dot{\gamma}=0,2 \text{ 1/s}$

**MORE THAN
30 YEARS OF
EXPERIENCE**

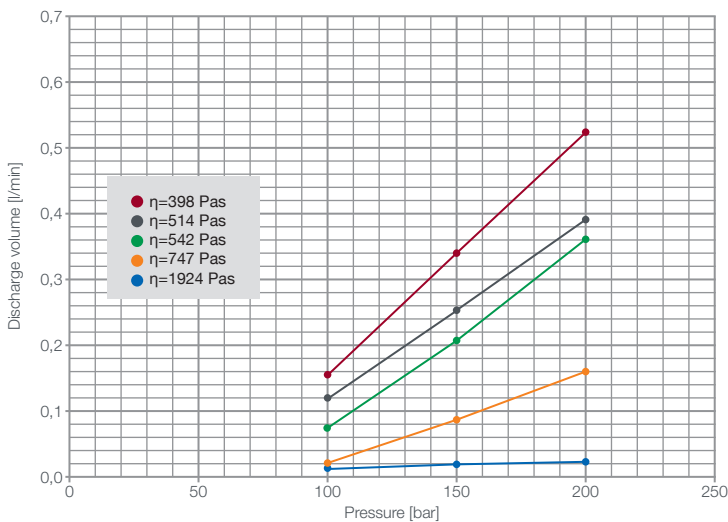
ELMET 
SMART SILICONE SOLUTIONS

TECHNICAL INFORMATION TOP 3100

Dimensions L/W/H (mm)	1260 x 1213 x 1900 (2676)
(inch)	49.6 x 47.8 x 74.8 (105.4)
Drum sizes	200/20 liter / 55/5 gallons
Useable materials [Pas]	0.001 bis 3000
Delivery rate per component @ 2,7 Pas	> 2350 cm ³ /min
Max. delivery pressure	200 bar / 2900 psi
Power supply	100 - 264 VAC, 4 A
Air supply	6 bar – 1000 NL / min (1/2")
Additive lines	1 Standard
Static mixer	1 Standard (Expandable)
Volume counter	Yes
Certifications	CE, UL, RoHS
Eco-Mix (Simultaneous drum emptying)	Standard

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

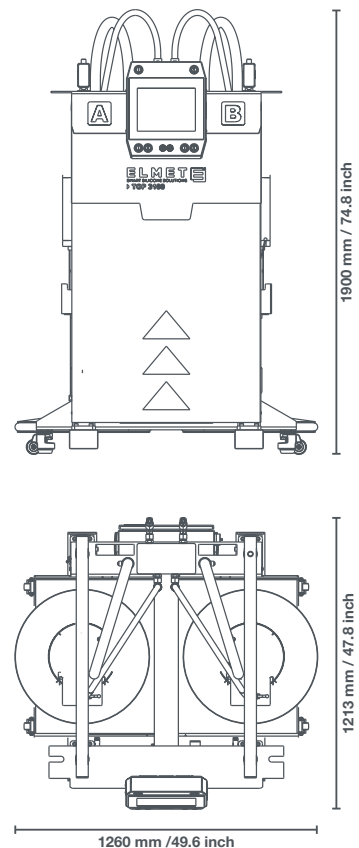
DELIVERY RATE PUMP UNIT M



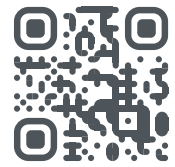
Viscosity measured at $\dot{\gamma}=10$ 1/s



**TOP 3100
LEARN MORE**



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MOLDING TECHNOLOGY.
TURNKEY SOLUTIONS.
PRODUCTION SOLUTIONS.



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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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