

**LOCTITE®**

Precision, Efficiency & Reliability – All in One System

# Volumetric Dispensing Systems



Excellence is our Passion

## Advantages of Volumetric Dispensing:

- Positive displacement
- Repeatability > 99%
- Accurate and adjustable flow rate control
- Self-sealing with “suck back” to avoid dripping
- Single (1K) and two (2K) component dispensing

## Single-Component Volumetric Dispensing Systems

LOCTITE® volumetric compact rotor pumps work with positive displacement technology in comparison to conventional pressure-time systems. The dispensed volumes are virtually independent of fluctuations caused by changes in temperature and viscosity providing excellent accuracy and repeatability.

## EQ RC15: Single Rotor Pump Controller

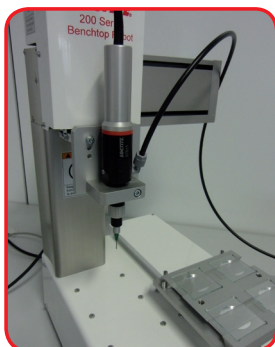
### Equipment Features:

- 3 operating modes: quantity, time, start-stop
- 3 storable programs
- Compatible with pump types IDHs 1196160 / 1741601 and can also interface with a Rotorspray 97115.
- 3” touchscreen menu navigation (resistive touchscreen)
- Reservoir connection, pressure and level monitoring.
- All Henkel standard connections are available:
  - XS1 Start
  - XS2 Reservoir
  - XS10 PLC
  - XS16 Rotor Spray
- IDH No.: 1880232

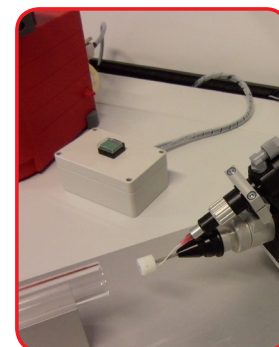


# Single-Component Volumetric Rotor Pumps

## Compact Rotor Pump 4.0 IDH No.: 1196160



## Compact Micro Rotor Pump 1.0 IDH No.: 1741601



### Equipment Features:

Minimum dispensing volume:	4 $\mu$ l
Theoretical volume flow:	500 up to 6000 $\mu$ l/min
Rotor speed:	0-120 RPM
Accuracy:	$\pm$ 1%

### Equipment Features:

Minimum dispensing volume:	1 $\mu$ l
Theoretical volume flow:	120 up to 1480 $\mu$ l/min
Rotor speed:	0-120 RPM
Accuracy:	$\pm$ 1%

# Two-Component Volumetric Dispensing System:

## MM25 Dual Rotor Pump 4.0 LC:



## Controller for Volumetric Dual Rotor Pump: IDH No.: 1533495



### Equipment Features:

Minimum dispensing volume:	5 $\mu$ l for each pump
Theoretical volume flow:	100 to 6000 $\mu$ l/min for each pump
Mixing ratios:	1:1, 2:1, 4:1, 10:1 (Consult Henkel for other mix ratios)
Accuracy:	$\pm$ 1%
IDH No.:	1774437

### Accessory: Feeding system

MM31 400 ml Dual Cart. IDH No.: 1845696  
Dispensers

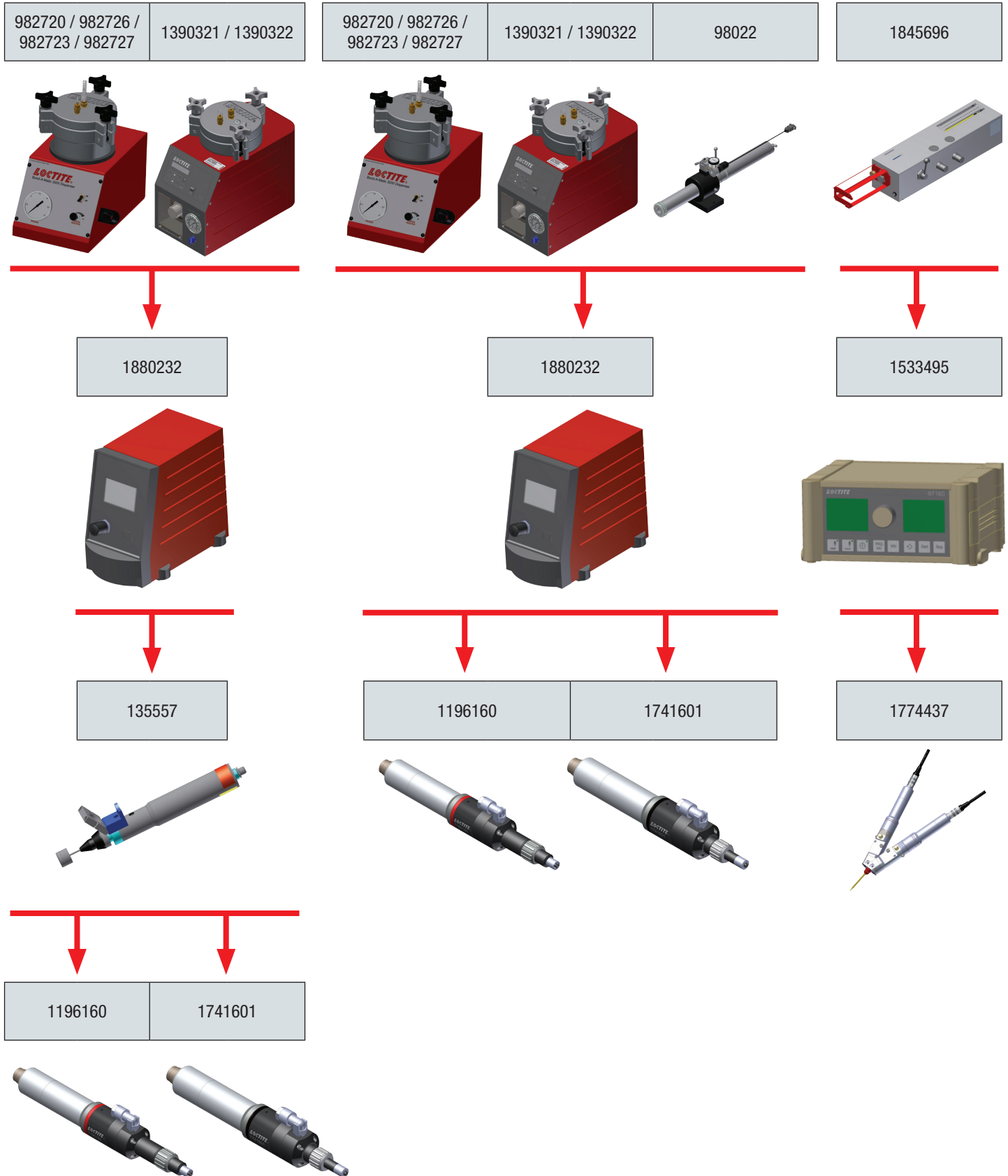
### Equipment Features:

- 3 operating modes: quantity, time, start-stop
- 24 storable programs (MMC/SD-Card)
- Dispense start: Push-button, foot-switch, 24 V signal
- Interface: RS232, USB
- Dispense pressure control: 0 to 40 bar (optional sensors required)
- Data analysis: Dispensing pressure curve graphically displayed. Maximum pressure warning from the controller.
- Dispense pressure control: 0 to 40 bar (optional sensors required)

### Process monitoring: Process monitoring

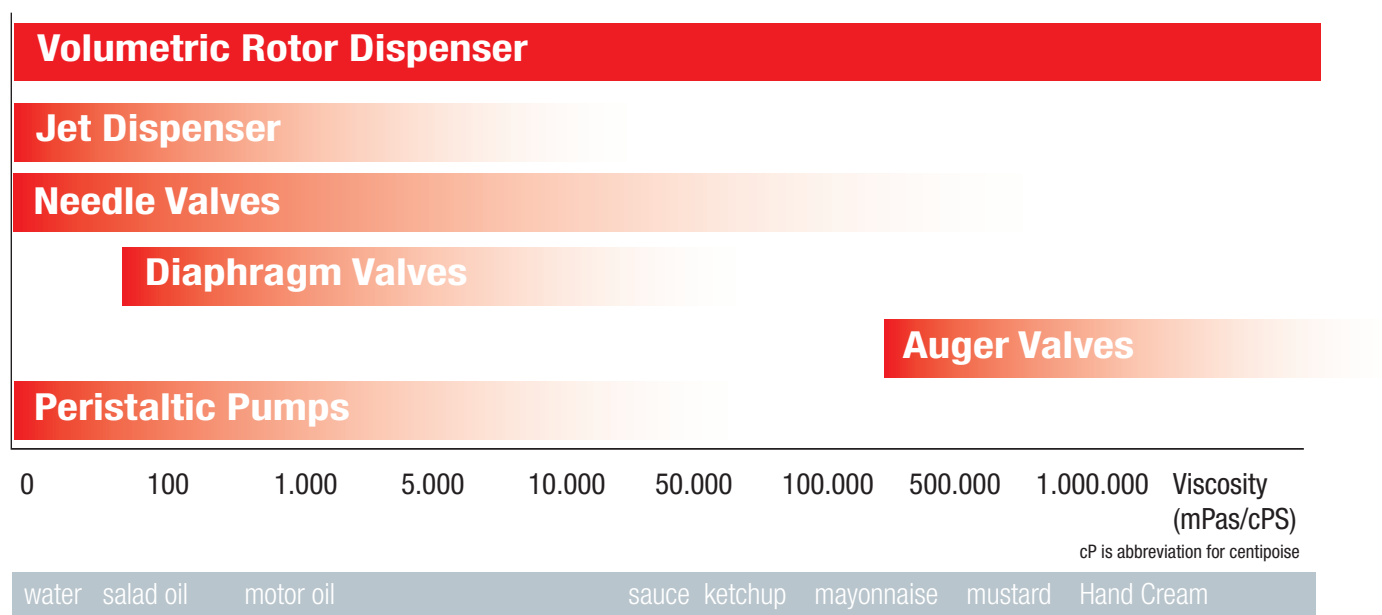
Pressure sensor	IDH No.: 1528963
Cable extension for pressure sensor	IDH No.: 1562190

# Overview of compatible standard equipment for the volumetric rotor pump systems:

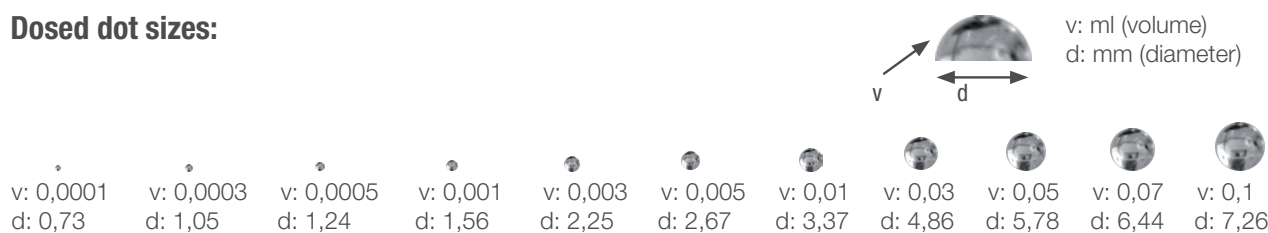


# Reference Table: Dispensing Technologies and Viscosity

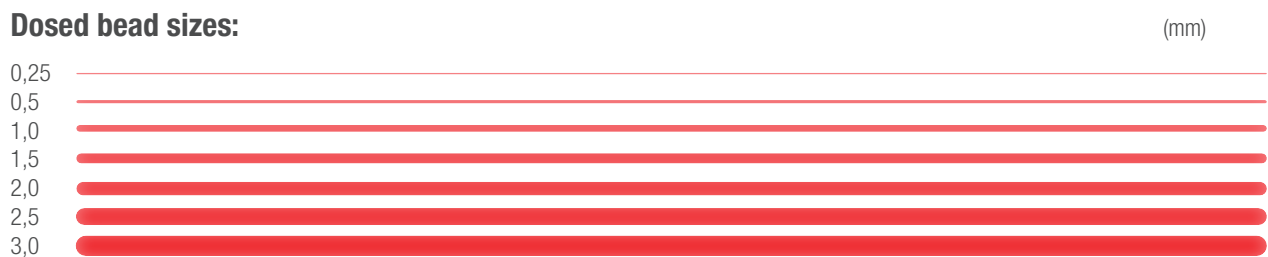
The different viscosities of products play an important role in the proper selection of the dispensing system. The following table is intended to help in the selection and give a general overview.



## Dosed dot sizes:



## Dosed bead sizes:





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