

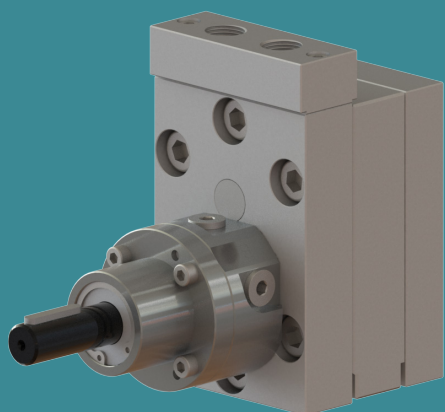


POMTAVA

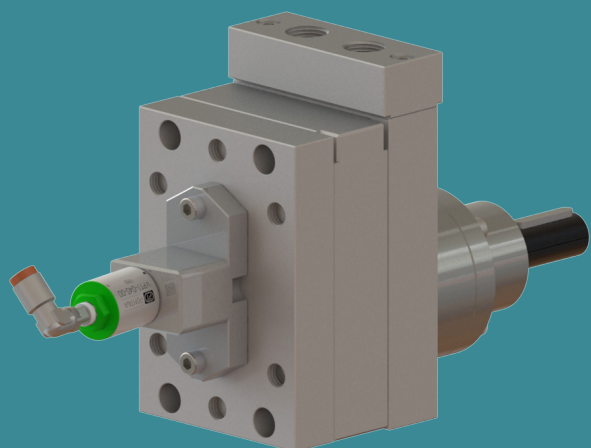
METERING GEAR PUMPS

## DATA SHEET

# 3610-4-1



# 3610-4-2



## Available flow rates (cc/rev)

6.0 / 10.0 / 16.0 / 22.0

## Application fields

Silicones, glues, elastomers, polyurethanes, various resins, various hardeners, pigments, polyesters, epoxy, etc.

## Strong points

- All parts are in tempered stainless steel
- Maximum reduction of «dead zones» allowing for better flushing
- Sealing option quickly interchangeable
- Strong, coated drive shaft, held in place with 2 bearings and a axial thrust
- Centering pins making pump assembly easier and increasing its accuracy
- Pump cover 3610-4-2 with flushing holes for optional bypass block

## Technical data

- Sealing system: Lip seals and liquid barrier (36EA)
- Rotation speed: From 10min<sup>-1</sup> to 200min<sup>-1</sup>, depending on the product involved
- Flow rate range: From 0.06 l/min to 4.4 l/min (depending on pump size)
- Standard direction of rotation: Clockwise rotation (A)
- Allowed outlet pressure: Max. 100 bar (22cc/rev max. 50bar)
- Input and output: 2x Ø 10mm on the pump cover. Delivered with connecting block G3/8"
- Drive shaft diameter: Ø 16mm with 5mm key
- Drive shaft height: H=79mm
- Fixing distance: L=112mm

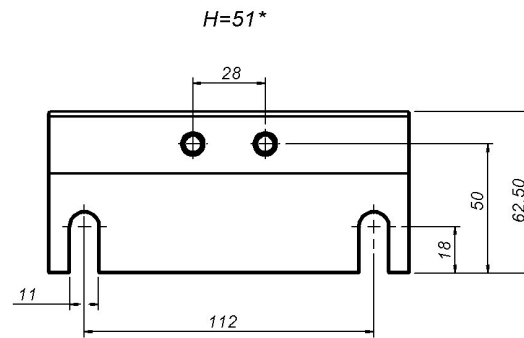
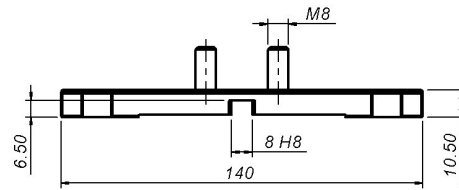
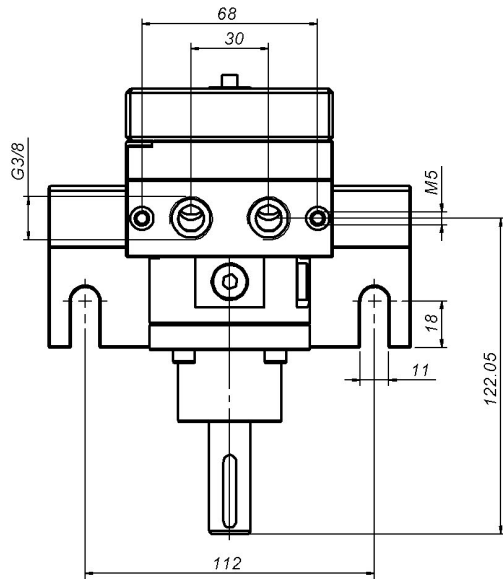
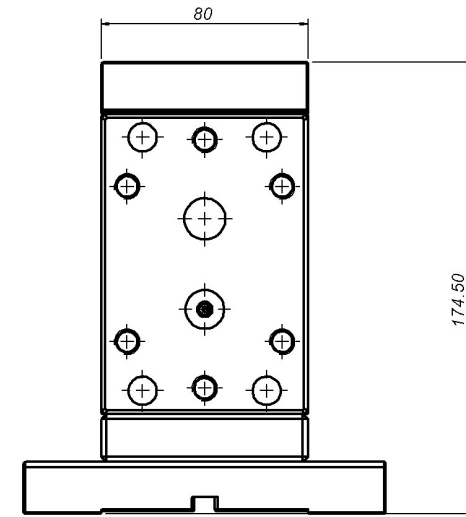
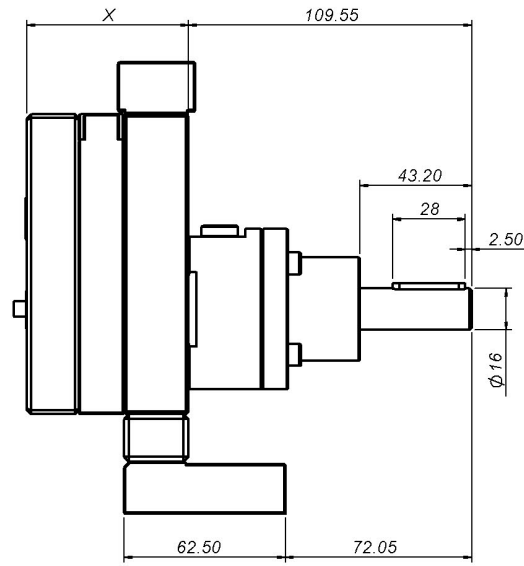
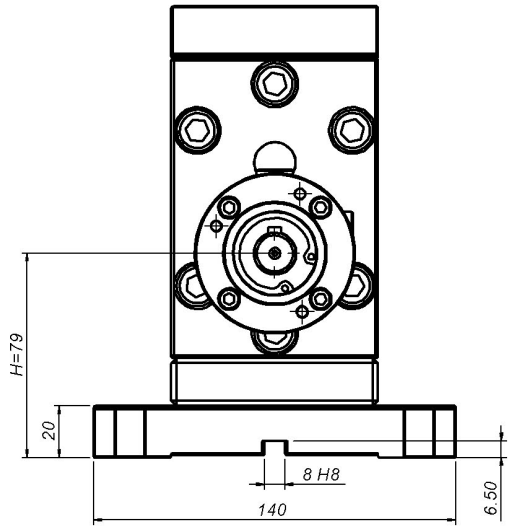
## Available options / accessories

- H/L support on request
- Pump available in ATEX certified version
- Bypass block (3610-4-2)
- Product fittings on request
- Calibration certificate
- Pressure sensors
- Pressure regulators

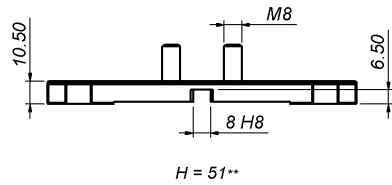
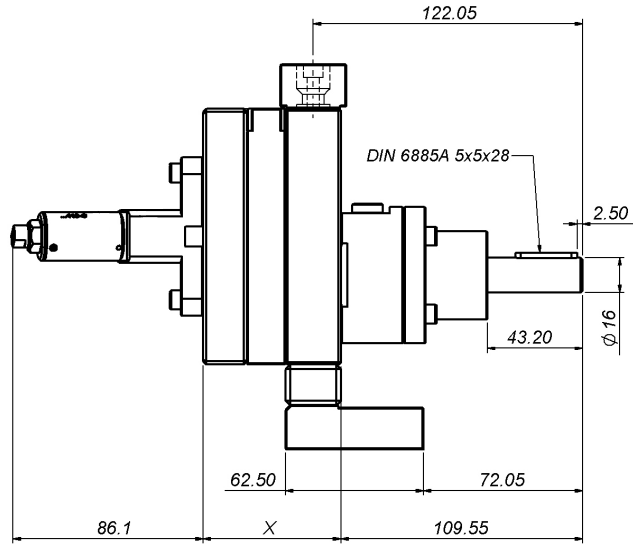
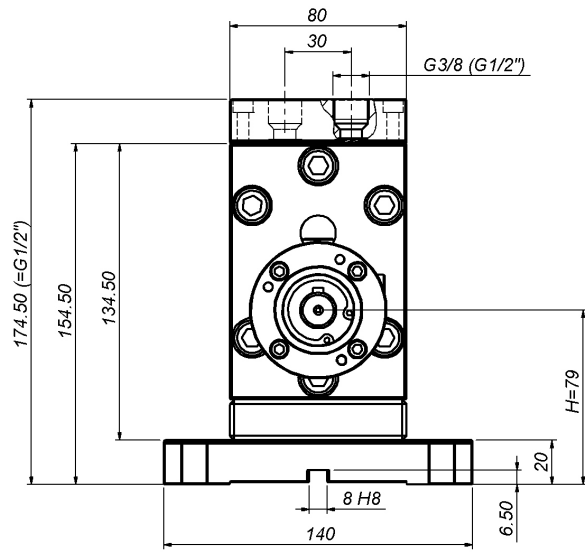
# Definition / Pump options

|  | 3610 | -4 | -1 | / | A  | / | 6.0  | / | S | / | R | / | T2 | / | EA | / | 16 | / | 12 | / | G |    |
|--|------|----|----|---|----|---|------|---|---|---|---|---|----|---|----|---|----|---|----|---|---|----|
| <b>I/O location</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| I/O on the pump body   |      | -4 |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Pump flushability</b>   |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Without flushing</b>  |      |    | -1 |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| With flushing  |      |    | -2 |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Rotation direction</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Clockwise rotation</b>  |      |    |    |   | A  |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| Anticlockwise rotation   |      |    |    |   | Z  |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| Clockwise rotation + Anticlockwise rotation                              |      |    |    |   | AZ |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Cylinder capacity</b>   |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| 6.0 cc/rev   |      |    |    |   |    |   | 6.0  |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| 10.0 cc/rev  |      |    |    |   |    |   | 10.0 |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| 16.0 cc/rev  |      |    |    |   |    |   | 16.0 |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| 22.0 cc/rev  |      |    |    |   |    |   | 22.0 |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Operation clearance</b>   |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| Reduced clearance, for low viscosity products                            |      |    |    |   |    |   |      |   |   |   |   |   | F  |   |    |   |    |   |    |   |   |    |
| <b>Standard clearance, for the vast majority of products</b>             |      |    |    |   |    |   |      |   |   |   |   |   | S  |   |    |   |    |   |    |   |   |    |
| Increased clearance, for high viscosity or highly filled products        |      |    |    |   |    |   |      |   |   |   |   |   | J  |   |    |   |    |   |    |   |   |    |
| Special clearance, specific to a special product                         |      |    |    |   |    |   |      |   |   |   |   |   | H  |   |    |   |    |   |    |   |   |    |
| <b>Bypass option</b>   |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Without Bypass</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| With Bypass  |      |    |    |   |    |   |      |   |   |   |   |   | R  |   |    |   |    |   |    |   |   |    |
| <b>Surface treatment</b>   |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Without treatment</b>   |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| ADLC (Amorphous Diamond Like Carbon)                                     |      |    |    |   |    |   |      |   |   |   |   |   | T2 |   |    |   |    |   |    |   |   |    |
| <b>Sealing system</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Lip seals + liquid barrier</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | EA |
| Lip seal + teflon packing  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | EB |
| <b>Drive shaft diameter</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| Shaft $\varnothing$ 16mm with 5mm key                                    |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | 16 |
| <b>Product connection</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Connection block for 2 fittings G1/2"</b>                             |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | 12 |
| Connection block for 2 fittings G3/8"                                    |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | 38 |
| Connection block including housing for pressure transmitters             |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | W  |
| <b>Modification for difficult products*.</b>                             |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| <b>Without modification</b>  |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   |    |
| With modification (can be G or Gx depending on the type of modification) |      |    |    |   |    |   |      |   |   |   |   |   |    |   |    |   |    |   |    |   |   | Gx |

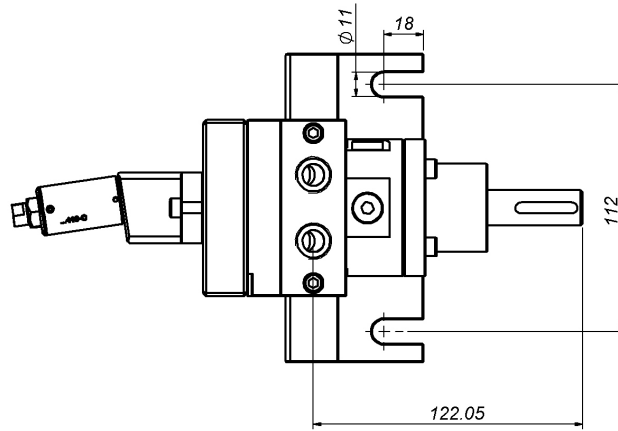
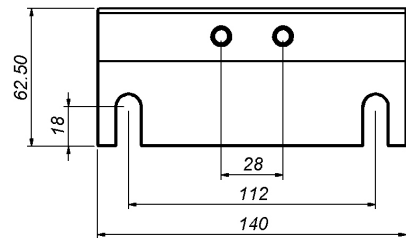
\*To be defined with Pomtava  
**Bold line = standard Pomtava**



|                    |      |      |      |      |
|--------------------|------|------|------|------|
| Flow rate (cc/rev) | 6.0  | 10.0 | 16.0 | 22.0 |
| X (mm)             | 41.2 | 45.4 | 47.5 | 58.0 |



H = 51\*\*



| Flow rate (cc/rev) | 6.0  | 10.0 | 16.0 | 22.0 |
|--------------------|------|------|------|------|
| X (mm)             | 41.2 | 45.4 | 47.5 | 58.0 |