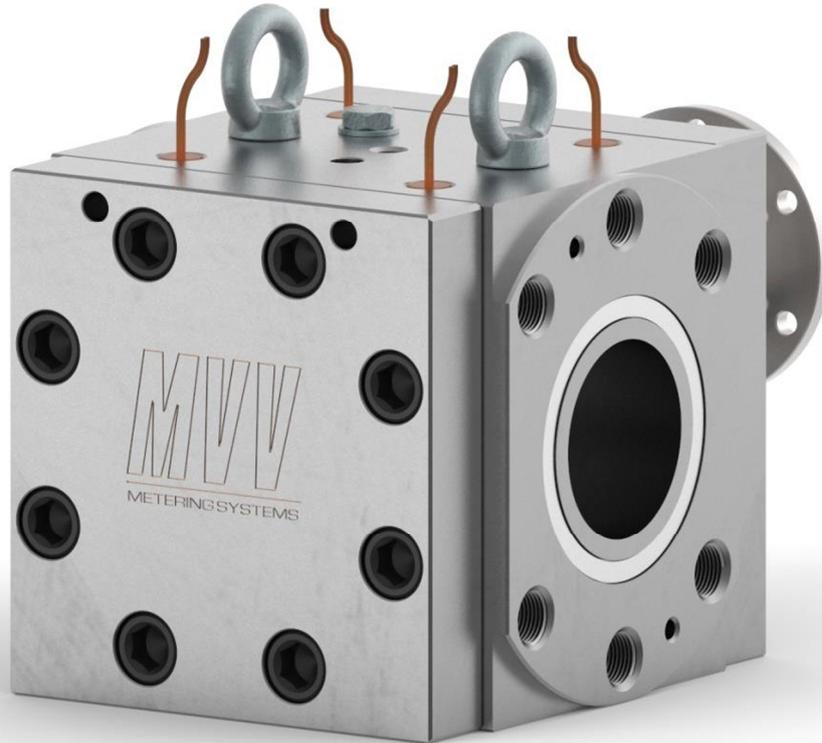


**Booster & polymer extraction
gear pump
PAE Series**



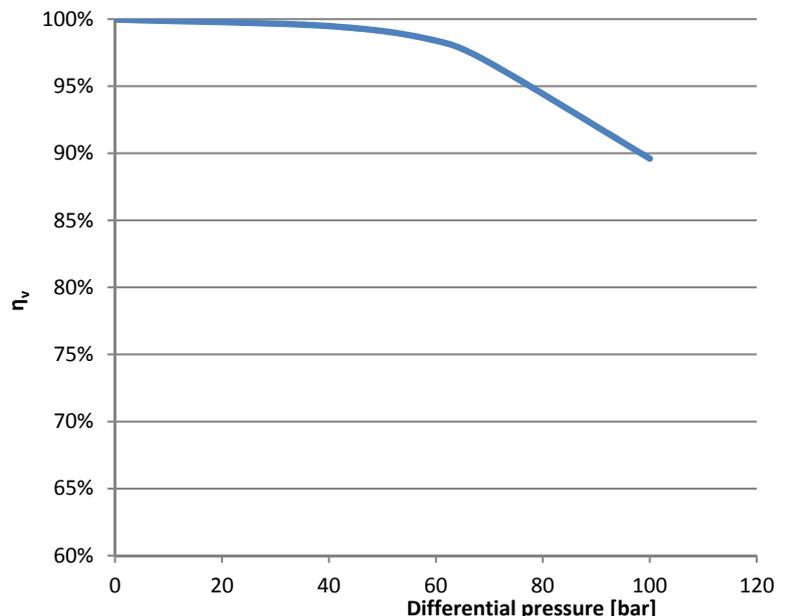


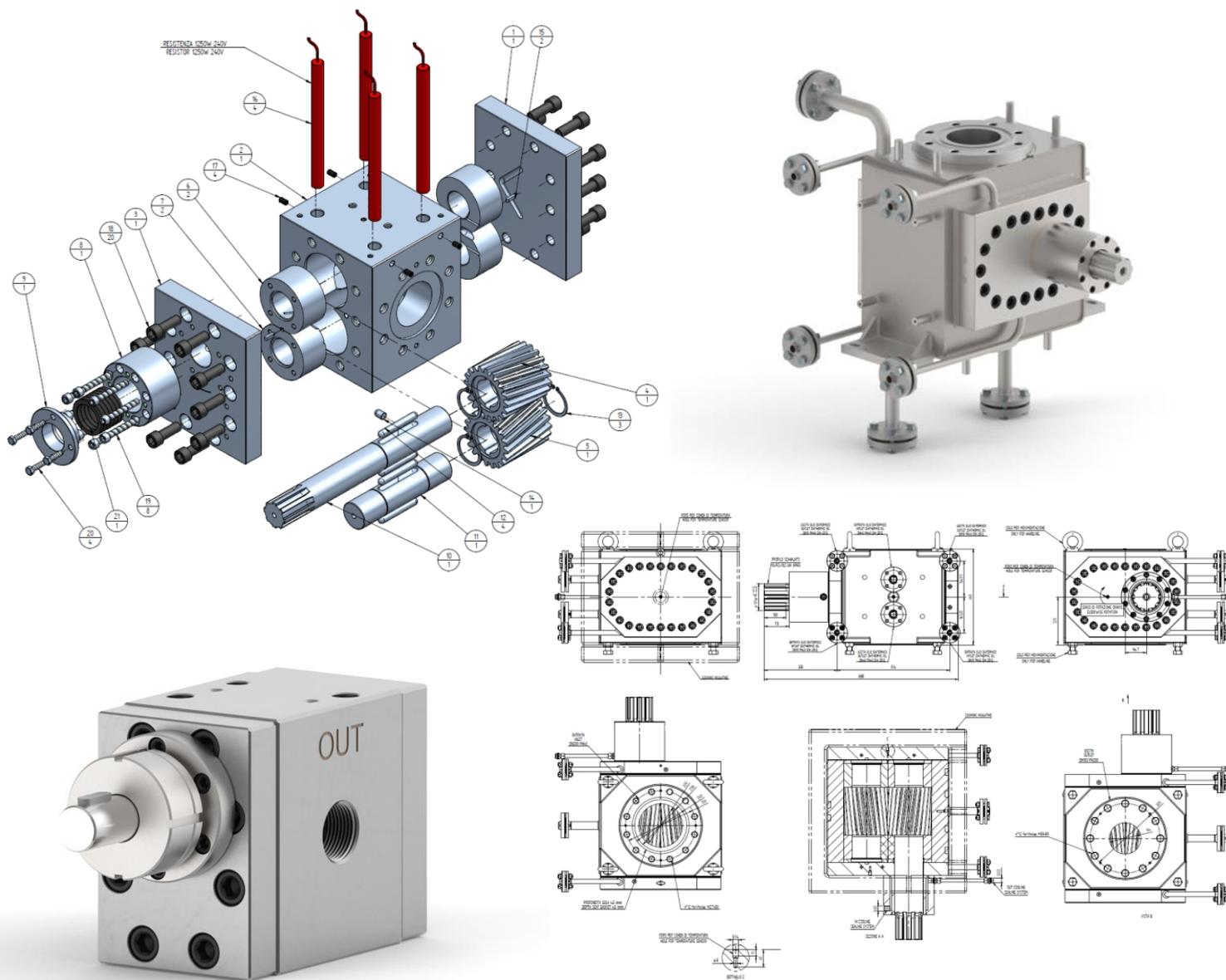
Le pompe ad ingranaggi della serie PAE sono studiate per l'impiego sotto colonna di polimerizzazione o come **pompe di spinta** a valle dell'estrusore. Costruite in acciaio super rapido temprato a cuore, sono adatte a dosare fluidi fusi contenenti cariche abrasive ad alte temperature (fino a 350°C) e alte pressioni (fino a **500 bar**). Spesso sono dotate di circuito di riscaldamento (heating jacket) con camera a circolazione forzata di vapore, od olio diatermico, oppure **riscaldate** mediante resistenze elettriche corazzate. Esternamente sono **coibentate** con materiale isolante racchiuso in uno scatolato di lamiera in acciaio inox oppure con cuscini coibentati a strappo. Può essere corredata di strumentazione di controllo di pressione o temperatura.

The PAE series gear pumps are designed for application under the polymerization column or as **booster** pumps after the extruder. Built on high speed steel core tempered, are suitable for melted media with abrasives particles at high temperatures (up to 350°C) and high pressures (up to **500 bar**). Often the pumps are supplied with heating jacket with steam or diathermic oil as vector, or **heated** by electric immersion heaters. Externally the pumps are **insulated** with insulating material enclosed in a box made by stainless steel sheets or with wearable insulation easily removable. Instruments for pressure and temperature measurement can be supplied.

ITEM	PAE
Fluido Medium	Polyol, isocyanate, silicone, glue, general media
Capacità nominali Nominal capacities	1 - 5 - 7 - 10 - 15 - 30 - 80 - 90 - 170 - 350 - 500 - 750 - 1000 - 1500 - 2000 - 2500 cc/rev
Materiali di costruzione Materials	HSS high speed steel, Nitriding steel
Viscosità Viscosity	1cP - 2.000.000 cP
Max Pressione uscita Outlet pressure	≤ 500 bar
Max Pressione entrata Inlet pressure	≤ 2300bar
Temperatura Temperature	0 / 350 °C
Velocità di rotazione Rotational speed	≤ 80 rpm
Tempi di consegna Delivery time	< 4 - 6 weeks

Graph: 250cc/rev PAE @ 40 rpm
Fluid: 241cP@20°C (low viscosity)
Very high efficiency with low viscosity fluids even with low RPM





Rotazione oraria come standard. Clockwise rotation as standard
Disegni Indicativi – Approximate drawings

Geometrical & construction

Diametro albero Drive shaft diameter	Variable
Misura e tipo ingressi Port size and type	Variable
Bearing type	Variable
Casing Housings	HSS High speed tool steel
Drive & driven gear	HSS High speed tool steel, High grade alloys
Perno Shaft	HSS High speed tool steel, High grade alloys, nitriding steel
Seat O-Rings	Depend on project
Bearings	Depend on project
Bearing Lubrication	Depend on project
Wearplate	Depend on project

Sealing system

Packing Arrangements PTFE packing, PTFE or Grafoil rings

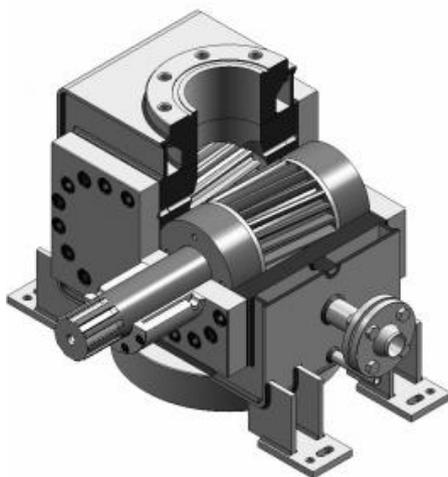
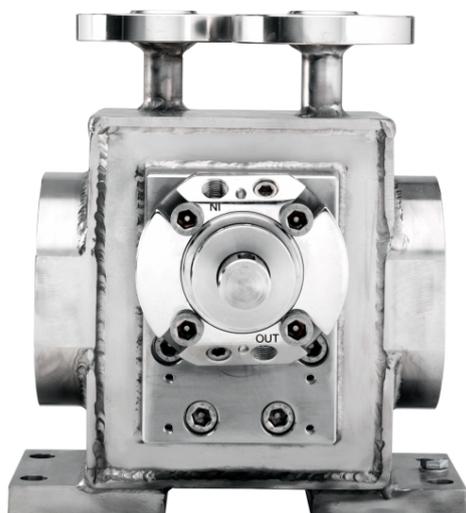
Labirynth seal Viscoseal

Others

Product Options Deeply customizable, electric cartridge, special clearances, counterclockwise rotation, oil / vapour chamber, surface treatments, insulation, etc.

Certifications CE; ATEX II 2G Tx

Weight Variable



Powerful.

Strong.

Custom.

PAE by MVV

Oltre 1 milione di pompe ad ingranaggi installate in molteplici settori industriali fornite in oltre 70 anni di storia, fanno di MVV una realtà consolidata nella progettazione e produzione di pompe ad ingranaggi per la dosatura di precisione. Conoscenza, competenza e ricerca nella lavorazione e utilizzo dei materiali finalizzati a fornire la soluzione adatta anche in condizioni di dosatura estreme sono i valori tecnici di MVV.

Per scoprire di più della nostra storia e dei nostri prodotti visita il nostro sito internet.

Over 1 million of gear pump installed on many industrial fields supplied in over 70 years of history, makes MVV a well-established engineering and manufacturer of metering gear pumps. Knowledge, competence and research on handling of materials aimed at providing the right solution also in the extreme metering conditions. These are the technical skills of MVV.

To know more about our history and our products portfolio please visit our website.

SYNTHETIC FIBERS

MELTED GLUE PUMPS

POLYMER EXTRACTION

BOOSTER PUMPS

FINISHING PUMPS

TEXTILE PUMPS



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