



About the Company

Founded in 1972, AALBORG® is well-known throughout the world as a primary manufacturer of precision instrumentation for flow measurement and control.

We operate two divisions:

The Electronics Division produces a line of Peristaltic Pumps, Thermal Mass Flow Controllers, Vortex Shedding Flow Meters, Proportionating Solenoid and Motor driven control valves.

The Variable Area Division manufactures a complete line of glass tube rotameters. These flow meters are available with aluminum, brass, stainless steel or PTFE wetted components. AALBORG® also manufactures a unique line of PFA tube meters for ultrapure or corrosive applications. Precision barstock stainless steel or brass needle valves, as well as PTFE valves, are also manufactured in this division.

NIST Traceable

NIST traceable flow meter calibrations are performed in our state of the art laboratories.

Technical Assistance

Technical Assistance is readily available. Customers are invited to contact the company or our distributors to discuss individual requirements. OEM applications are welcome.

ISO9001 /2008 Certification

AALBORG® has been ISO 9001 certified since April of 1995. We are very proud of the design features and the exceptionally high quality for which our products which have been known since 1972. It is our policy that through strict enforcement of exacting manufacturing standards the AALBORG® brand name continues to be associated with a reputation of high quality and reliability. Our products are backed by meticulous innovative engineering combined with efficient manufacturing practices and a highly skilled work force guaranteeing total customer satisfaction.

Our Mission

It is the policy of AALBORG® to develop, produce and deliver products and services which consistently conform to or exceed customer requirements.

Our commitment is to provide cutting-edge technology combined with a sincere desire to serve our customers and produce the highest quality products attainable.

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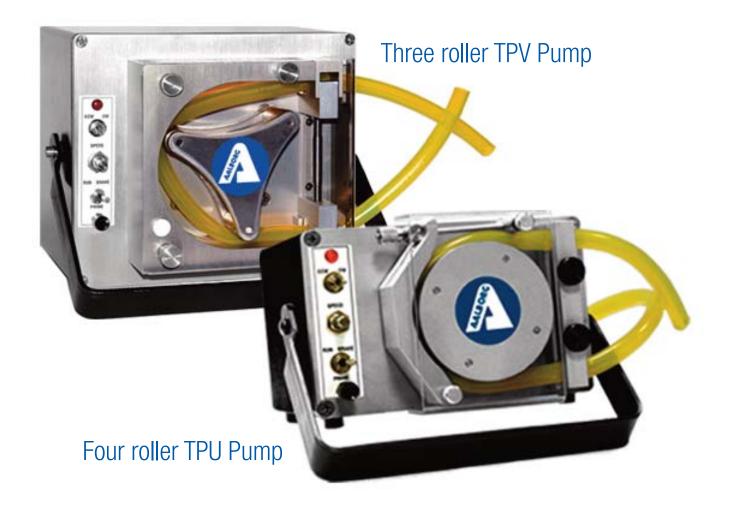
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General Description

Aalborg's TPU and TPV model peristaltic pumps are designed for safety and long life. They are economical, easy to load, sturdy, and compact for a small footprint. Designed for use with liquids of widely diverse viscosity, they are suitable for laboratory, processing and OEM applications, even fuel with the appropriate tubing.

Principles of Operation

Flexible tubing, which conveys fluid from source to destination, is squeezed inside the pump head by rotating rollers against a rigid, crescent-shaped occlusion wall. The rollers induce suction in a pulsing rhythm. The occlusion is adjustable on TPU models for increased pressure, or decreased pressure to extend tubing life.

Each pump is comprised of a front panel with controls, a pump head, a motor, a rigid case with four rubber feet and a handle. The handle is practical both to carry the pump and, when rotated beneath the pump, to serve as a base that lifts and angles the pump face, making the controls even more easily accessible to the user.



| TPU SPECIFICATIONS | | | | | |
|--|--|-----------------------------|--|---|-----------------------|
| | TPU FX FIXED RPM | TPU AD Adjustable RPM | TPU DP OR RP ADJUSTABLE RPM DISPENSING | TPU1 PUMP HEAD | TPU2 PUMP HEAD |
| ROLLERS | 4 standard, 10 opt | ional. | | 4 | 10 |
| PUMPING SPEEDS | Preset to 3, 10, 20, 30, 40 or 50 RPM. | 0 – 60 RPM. | | Speeds depend on to the pump head. | the motor you add |
| MOTOR | AC Shaded Pole. | Brushless DC. | | Motor (including mavailable for separa mounting optional. | ite purchase; factory |
| POWER SUPPLY* | Power cord & plug. | | N/A | | |
| ELECTRICAL REQUIREMENT | REQUIREMENT 110 or 240 VAC 90-264 VAC | | N/A | | |
| DIMENSIONS | 6.50 in. (165 mm) WIDE x 6.57 in. (167 mm) DEEP x 4.12 in. (105 mm) HIGH excluding handle. | | 6.50 in. (165 mm) WIDE x 1.61 in. (41 mm) DEEP x 4.12 in. (105 mm) HIGH. | | |
| MAXIMUM LIFT, PUMP HEAD | 340 in. H20 (12.3 psig). | | | | |
| MAXIMUM SUCTION, HEAD | 350 in. H20 (12.6 | psig). | | | |
| RECOMMENDED TUBING MATERIALS 1/16 IN. WALL | Tygon® R-3603, peroxide-treated silicone, platinum-treated silicone, PharMed® Versilic® silicone, Tygon® Sanitary silicone, Norprene® Tygon® Long Flex Life, and Hypalon®. | | | | |
| TUBING SIZES (INSIDE Ø) | 1/8 in., 3/16 in. , 1/4 in. or 5/16 in. | | | | |
| FUSES | Two 2-Amp, 250 V, fast-acting, glass, 5 x 20 mm, UL-listed. N/A | | | | |
| REVERSIBLE FLOW | No | Yes | Yes | No | |
| PRIMING FUNCTION | No | Yes | Yes | No | |
| TIMING FUNCTION | G FUNCTION No No Yes | | Yes | No | |

^{**}Specific power cords & plugs are available for North America, Europe, UK and Australia. The selection of tubing materials is the responsibility of the customer; the company accepts no liability.

TPU **MATERIALS OF CONSTRUCTION

ANODIZED ALUMINUM

316 STAINLESS STEEL PRECISION ROLLERS AND SHAFTS



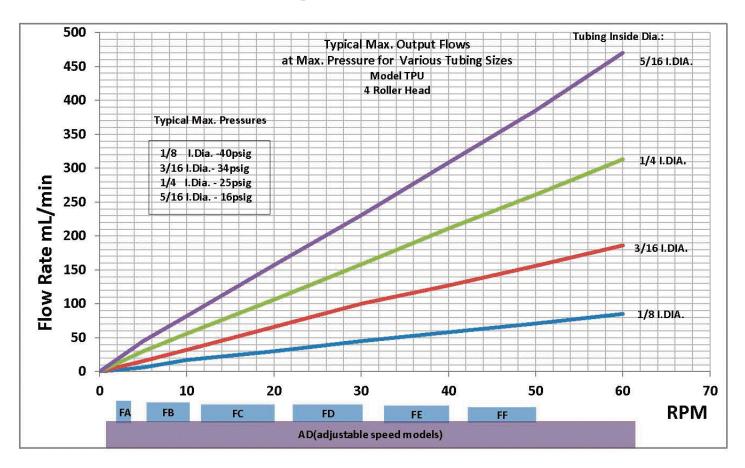
Flow Rate Graphs

To select the pump that best corresponds to your needs using the Flow Rate graphs:

- 1. Locate the desired flow rate where it intersects with the tubing diameter plot lines.
- 2. Project the intersections to the RPM axis at the bottom of the graph.
- 3. If your chosen flow rate falls between the fixed RPM choices (the blue boxes labeled FA, FB, etc.), pick the next larger speed or order an adjustable RPM pump, represented by the purple AD (adjustable speed models) box.

Armed with this information, consult the features sections that follow, then use the tables on page 10 to identify the ordering number for the pump(s) you have selected.

TPU1 Four-Roller Pumps:

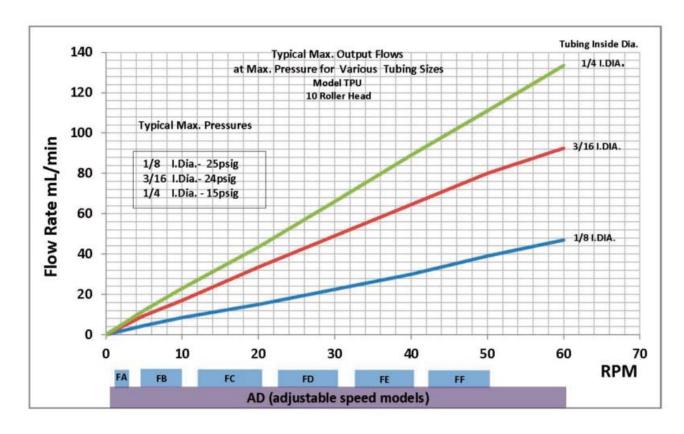


The Flow Rate graph for 10-roller pumps is on the following page.



TPU 2 Ten Roller Pumps:

Note that 5/16-inch I.D. tubing is not recommended for use with the 10-roller pumps.







Design Features

- Economical.
- Adjustable Occlusion Wall.
- Stainless Steel Rollers and Shafts.
- Compact design for small foot print.
- Can Be Mounted In Any Direction.
- Long Tubing Life.
- 4 Rollers, 10 optional to minimize pulsing.
- Adjustable handle to carry, stand or hang.
- Safety cover.
- Wide choice of preset speeds.

Peristaltic Pumps designed for liquids of low to high viscosity:

Ideal for laboratory, processing and OEM applications.



AD Model Adjustable RPM Tubing Pumps with Prime



Peristaltic Pumps designed for liquids of low to high viscosity:

Ideal for laboratory, processing and OEM applications.

- Economical & compact.
- Adjustable Occlusion Wall.
- Stainless Steel Rollers & Shafts
- Controls for Prime, Brake, RPM, Reverse flow direction, Power LED.
- Maintence-free 24 VDC brushless motor.
- Safety cover.
- Can be mounted in any direction.
- Long tubing life.
- 4 Rollers, 10 optional to minimize pulsing.
- Adjustable handle to carry, hang or stand.
- Speed adjustable from 0 to 60 RPM.



Peristaltic Pumps designed for liquids of low to high viscosity:

Ideal for laboratory,

processing and **OEM** applications.



- Economical & compact.
- Adjustable Occlusion Wall, long tubing life.
- Stainless Steel Rollers & Shafts.
- Programmable timer.
- The TPUDP timer relay can be set to dispense or stop dispensing liquids over a selected time period to either single shot mode or continuous pulse mode.
- ◆ Controls for Prime, Brake, RPM, Reverse flow direction, Power LED.
- ◆ A Remote Start option is available using the 9-pin female D-connector located on the rear panel, via pins 1 and 5.
- Maintence-free 24 VDC brushless motor.
- Can be mounted in any direction.
- 4 Rollers, 10 optional to minimize pulsing.
- Adjustable handle to carry, hang or stand.
- Safety cover.
- Speed adjustable from 0 to 60 RPM.



Ideal for laboratory,

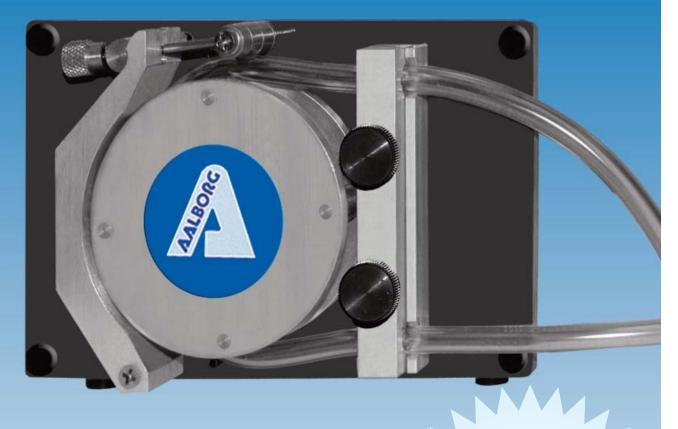
processing and OEM applications.



- Economical & compact.
- Adjustable Occlusion Wall, long tubing life.
- Stainless Steel Rollers & Shafts.
- Programmable timer.
- The TPURP timer relay can be set to dispense liquids over a selected time period, and to stop dispensing for another selected time period.
- Controls for Prime, Brake, RPM, Reverse flow direction, Power LED.
- Maintence-free 24 VDC brushless motor.
- Can be mounted in any direction.
- 4 Rollers, 10 optional to minimize pulsing.
- Adjustable handle to carry, hang or stand.
- Safety cover.
- Speed adjustable from 0 to 60 RPM.



Pump Head



Design Features

- Economical & compact.
- Adjustable Occlusion Wall for long tubing life.
- Stainless Steel Rollers & Shafts.
- Safety cover.
- Can be mounted in any direction.
- 4 Rollers or 10 Rollers to minimize pulsing.
- Maximum Lift: 340 in. H2O (12.3 psig).
- Maximum Suction: 350 in. H2O (12.6 psig).

The simplicity
of the pump head design
provides users
with the flexibility
to connect their own motor
or to purchase one
from our catalog.

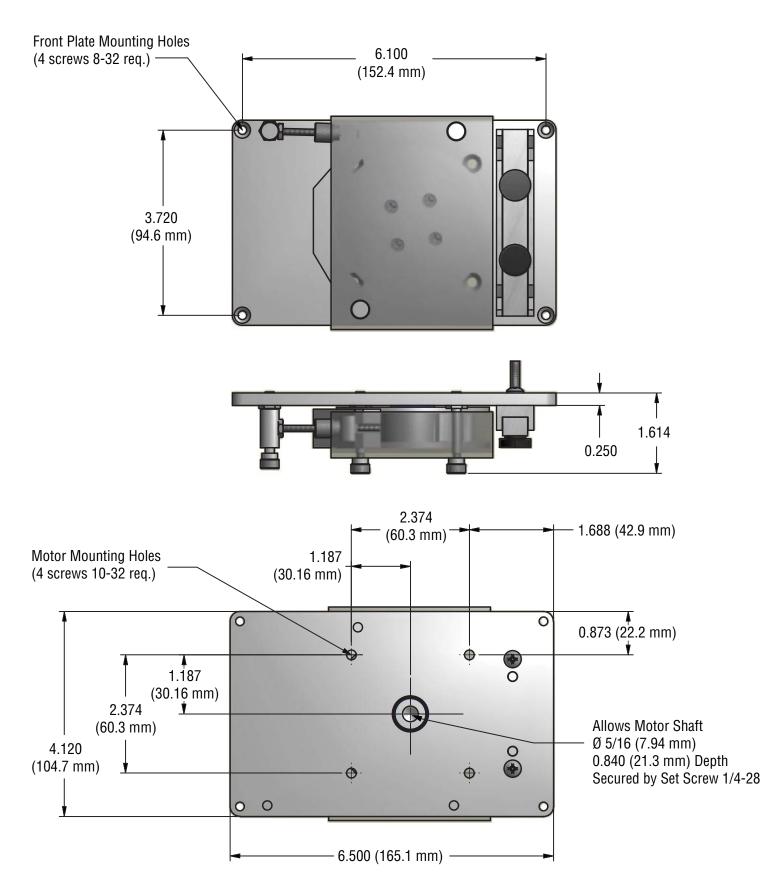


| CODE | PUMP HEAD STYLES |
|------|---|
| TPU1 | Pump Head 4 Rollers for 1/16" wall tubing. |
| TPU2 | Pump Head 10 Rollers for 1/16" wall tubing. |

Front View







TPU MODELS ORDERING INFORMATION



| TP | MODEL | | | |
|----|----------|----------------------|--|--|
| | CODE | LIEAD OT | | |
| | | HEAD STYLE 4 rollers | | |
| | U1 U2 | 10 rollers | | |
| | 02 | 10 1011013 | | |
| | | CODE | MOTOR & CONTROLS | |
| | | FA | Fixed speed motor, nominal 3 RPM, no controls | |
| | | FB | Fixed speed motor, nominal 10 RPM, no controls | |
| | | FC | Fixed speed motor, nominal 20 RPM, no controls | |
| | | FD | Fixed speed motor, nominal 30 RPM, no controls | |
| | | FE | Fixed speed motor, nominal 40 RPM, no controls | |
| | | FF | Fixed speed motor, nominal 50 RPM, no controls | |
| | | AD | Brushless DC motor, 0 – 60 RPM, RPM counter, Brake switch, Reverse Flow switch, Prime function | |
| | | DP | Brushless DC motor, 0 – 60 RPM, RPM counter, Brake switch, Reverse Flow switch, Prime function, Dispense function (Timer) | |
| | | RP | Brushless DC motor, 0 – 60 RPM, RPM counter, Brake switch, Reverse Flow switch, Prime function, Auto-Cycle Dispense function (Timer) | |
| | | | | |
| | | | CODE POWER PLUG / INPUT VOLTAGE | |
| | | | NA North America / 120 VAC | |
| | | | EU Europe / 220 VAC | |
| | | | AU Australia / 240 VAC | |
| | | | UK United Kingdom / 240 VAC | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TP | U1 | FC | NA NA | |

EXAMPLE: TPU1FC-NA

The example shown above is TPU1FC-NA: A TPU pump with 4 rollers, fixed speed set at 20 RPM, with a power plug for use in North America.

To order a pump head alone, select TPU1 or TPU2. It is neither fixed or adjustable RPM as it is provided with no motor. Motors are available for purchase (see page 12).

For more technical details (Specifications and Materials of Construction), see page 2.

TPU MOTORS



The following motors are available for purchase for use with TPU1 and TPU2 pump heads:

| CODE | MOTOR & CONTROLS |
|------|---------------------------------------|
| FA1 | Fixed speed, nominal 3 RPM, 120 VAC |
| FB1 | Fixed speed, nominal 10 RPM, 120 VAC |
| FC1 | Fixed speed, nominal 20 RPM, 120 VAC |
| FD1 | Fixed speed, nominal 30 RPM, 120 VAC |
| FE1 | Fixed speed, nominal 40 RPM, 120 VAC |
| FF1 | Fixed speed, nominal 50 RPM, 120 VAC |
| FA2 | Fixed speed, nominal 3 RPM, 240 VAC |
| FB2 | Fixed speed, nominal 10 RPM, 240 VAC |
| FC2 | Fixed speed, nominal 20 RPM, 240 VAC |
| FD2 | Fixed speed, nominal 30 RPM, 240 VAC |
| FE2 | Fixed speed, nominal 40 RPM, 240 VAC |
| FF2 | Fixed speed, nominal 50 RPM, 240 VAC |
| AD0* | Adjustable speed, 0 – 60 RPM, 24 VDC |
| AD3* | Adjustable speed, 0 – 300 RPM, 24 VDC |

^{*}These motors have an RPM counter.

Each motor comes with a mounting kit. Optionally, the motor can be mounted for you at the factory.



Typical Three Roller TPV Pump



General Description

Aalborg's TPV model peristaltic pumps are designed for safety and long life. They are economical, easy to load, sturdy, and compact for a small footprint. Designed for use with liquids of widely diverse viscosity, they are suitable for laboratory, processing and OEM applications, even fuel with the appropriate tubing.

Principles of Operation

Flexible tubing, which conveys fluid from source to destination, is squeezed inside the pump head by rotating rollers against a rigid, crescent-shaped occlusion wall. The rollers induce suction in a pulsing rhythm.

Each pump is comprised of a front panel with controls, a pump head, a motor, a rigid case with four rubber feet and a handle. The handle is practical both to carry the pump and, when rotated beneath the pump, to serve as a base that lifts and angles the pump face, making the controls even more easily accessible to the user.



| TPV SPECIFICATIONS | | | |
|--|--|--|--|
| | TPV AD ADJUSTABLE RPM | TPV DP OR RP ADJUSTABLE RPM DISPENSING | |
| ROLLERS | 3. | | |
| PUMPING SPEEDS | 0 – 300 RPM. | | |
| MOTOR | Brushless DC. | | |
| POWER SUPPLY* | Power cord & plug. | | |
| ELECTRICAL REQUIREMENT | 110 – 250 V. | | |
| DIMENSIONS | 7.7 in. (196 mm) WIDE x 7.45 in. (189 mm) DEEP x 6.56 in. (167 mm) HIGH excluding handle. | | |
| MAXIMUM LIFT, PUMP HEAD | 310 in. H2O (11.2 psig). | | |
| MAXIMUM SUCTION, HEAD | XIMUM SUCTION, HEAD 310 in. H2O (11.2 psig). | | |
| RECOMMENDED TUBING MATERIALS 1/16 IN. WALL | Tygon® R-3603, peroxide-treated silicone, platinum-treated silicone, PharMed®, Versilic, silicone, Tygon, Sanitary silicone, Norprene®, Tygon® Long Flex Life, and Hypalon®. | | |
| TUBING SIZES (INSIDE Ø) | 1/4 in. , 5/16 in., 3/8 in., 7/16 in. or 1/2 in. | | |
| FUSES | Two 2-Amp, 250 V, fast-acting, glass, 5 x 20 mm, UL-listed. | | |
| REVERSIBLE FLOW | Yes. | | |
| PRIMING FUNCTION | Yes. | | |
| TIMING FUNCTION | No. | Yes. | |

^{*}Specific power cords & plugs are available for North America, Europe, UK and Australia.

TPV **MATERIALS OF CONSTRUCTION

ANODIZED ALUMINUM

316 STAINLESS STEEL PRECISION ROLLERS AND SHAFTS

^{**}The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.



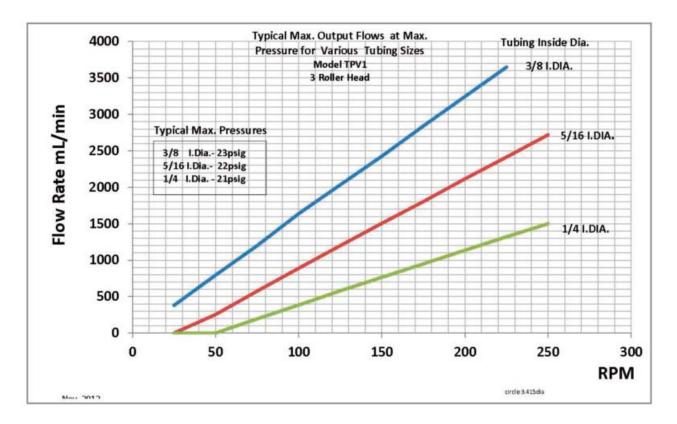
Flow Rate Graphs

To select the pump that best corresponds to your needs using the Flow Rate graphs:

- 1. Locate the desired flow rate where it intersects with the tubing diameter plot lines.
- 2. Project the intersections to the RPM axis at the bottom of the graph.

Armed with this information, consult the features sections that follow, then use the tables on page 19 to identify the ordering number for the pump(s) you have selected.

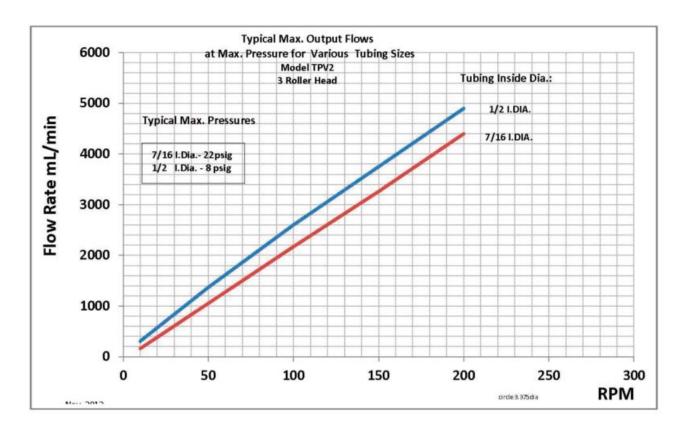
TPV1 Pumps (1/4 to 3/8 in. ID):



The Flow Rate graph for TPV2 pumps (7/16 to 1/2 in. ID) are on the following page.



TPV2 Pumps (7/16 to 1/2 in. ID):





AD Model Adjustable RPM Pumps



Peristaltic Pumps designed for liquids of low to high viscosity:

Ideal for laboratory, processing and OEM applications.

- Economical & compact.
- Unique adjustable tubing holder assemby.
- Stainless Steel Rollers & Shafts.
- Controls for Prime, Brake, RPM, Reverse flow direction, Power LED.
- Maintence-free 24 VDC brushless motor.
- Can be mounted in any direction.
- 3 Rollers.
- Adjustable handle to carry, hang or stand.
- Safety cover.
- Speed adjustable from 0 to 300 RPM.



DP Model Adjustable RPM Pumps with Dispensing



Ideal for laboratory, processing and

OEM applications.

- Economical & compact.
- Unique adjustable tubing holder subassembly.
- Fixed Occlusion Wall.
- 3 Stainless Steel Rollers & Stainless Steel Shafts.
- Controls for Prime, Brake, RPM, Reverse flow direction, Power LED.
- A Remote Start option is available using the 9-pin female D-connector located on the rear panel, via pins 1 and 5.
- Programmable timer.
- The TPVDP timer relay can be set to dispense or stop dispensing liquids over a selected time period to either single shot mode or continuous pulse mode.
- Maintence-free 24 VDC brushless motor.
- Speed adjustable from 0 to 300 RPM.
- Can be mounted in any direction.
- Long tubing life.
- Adjustable handle to carry, hang or stand.
- Safety cover.



RP Model Adjustable RPM Pumps with Dispensing



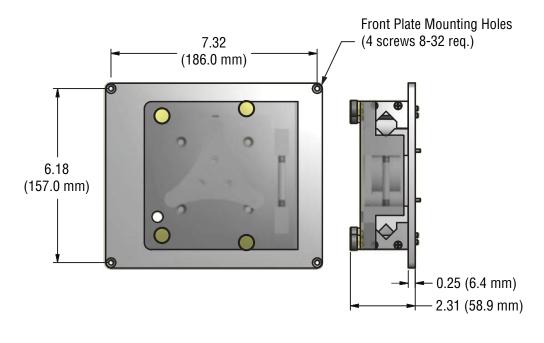
peristaltic Pumps designed for liquids of low to high viscosity:

Ideal for laboratory, processing and OEM applications.

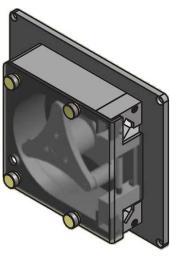
- Economical & compact.
- Unique adjustable tubing holder subassembly.
- Fixed Occlusion Wall.
- ♦ 3 Stainless Steel Rollers & Stainless Steel Shafts.
- Controls for Prime, Brake, RPM, Reverse flow direction, Power LED.
- Programmable timer.
- The TPVRP timer relay can be set to dispense liquids over a selected time period, and to stop dispensing for another selected time period.
- Maintence-free 24 VDC brushless motor.
- Speed adjustable from 0 to 300 RPM.
- Can be mounted in any direction.
- Long tubing life.
- Adjustable handle to carry, hang or stand.
- Safety cover.

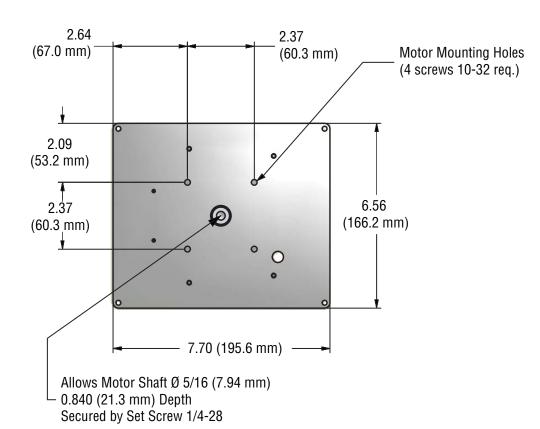


| CODE | PUMP HEAD STYLES |
|------|--|
| TPV1 | Pump Head 3 Rollers for 1/16" wall tubing. |
| TPV2 | Pump Head 3 Rollers for 1/16" wall tubing. |

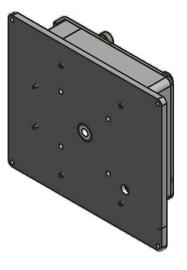


Front View





Rear Veiw





| TP | MODE | - | | | |
|----|------|-------------------|---|--|--|
| | CODI | HEAD STYLE STYLES | | | |
| | V1 | | 3 rollers on pump head for tubing I.D. 1/4 - 3/8 in. | | |
| | V2 | 3 rollers o | lers on pump head for tubing I.D. 7/16 – 1/2 in. | | |
| | | CODE | MOTOR & CONTROLS | | |
| | | AD | Brushless DC 0 – 300 RPM motor, RPM counter, Brake switch, Reverse Flow switch, Prime function. | | |
| | | DP | Brushless DC 0 – 300 RPM motor, RPM counter, Brake switch, Reverse Flow switch, Prime function, Dispense function (Timer). | | |
| | | RP | Brushless DC 0 – 300 RPM motor, RPM counter, Brake switch, Reverse Flow switch, Prime function, Auto-Cycle Dispense function (Timer). | | |
| | | | CODE POWER PLUG / INPUT VOLTAGE NA North America / 120 VAC EU Europe / 220 VAC AU Australia / 240 VAC UK United Kingdom / 240 VAC | | |
| | | | | | |
| TP | V1 | AD | NA NA | | |

EXAMPLE: TPV1AD-NA

The example shown above is TPV1AD-NA: Is a TPV pump with the 3-roller head sized for use with 1/4 - 3/8 in. tubing, an adjustable speed 0-300 motor with the prime function and reversable speed, with a plug for use in North America.

To order a pump head alone, select TPV1 or TPV2. Adjustable RPM provided with no motor.



| ORDERING INFORMATION FOR PUMP TUBING | | | |
|--------------------------------------|---|--|--|
| TUBING ORDER NUMBER | DESCRIPTION | | |
| TB1LA2 | Tygon® R-3603 Lab grade, 1/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LA3 | Tygon® R-3603 Lab grade, 3/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LA4 | Tygon® R-3603 Lab grade, 1/4 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LA5 | Tygon® R-3603 Lab grade, 5/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LA6 | Tygon® R-3603 Lab grade, 3/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LA7 | Tygon® R-3603 Lab grade, 7/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LA8 | Tygon® R-3603 Lab grade, 1/2 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LF2 | Long Flex Life (LFL), 1/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LF3 | Long Flex Life (LFL), 3/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LF4 | Long Flex Life (LFL), 1/4 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LF5 | Long Flex Life (LFL), 5/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1LF6 | Long Flex Life (LFL), 3/8 in. ID x 1/16 in. wall, 25 feet | | |
| TB1LF7 | Long Flex Life (LFL), 7/16 in. ID x 1/16 in. wall, 25 feet | | |
| TB1LF8 | Long Flex Life (LFL), 1/2 in. ID x 1/16 in. wall, 25 feet | | |
| TB1NO2 | Norprene® Food grade (FDA, 3A, NSF), 1/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NO3 | Norprene® Food grade (FDA, 3A, NSF), 3/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NO4 | Norprene® Food grade (FDA, 3A, NSF), 1/4 in. ID x 1/16 in. wall, 50 feet | | |
| TB1N05 | Norprene® Food grade (FDA, 3A, NSF), 5/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NO6 | Norprene®Food grade (FDA, 3A, NSF), 3/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI2 | Norprene® Industrial grade (FDA, 3A, NSF), 1/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI3 | Norprene® Industrial grade (FDA, 3A, NSF), 3/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI4 | Norprene® Industrial grade (FDA, 3A, NSF), 1/4 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI5 | Norprene® Industrial grade (FDA, 3A, NSF), 5/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI6 | Norprene® Industrial grade (FDA, 3A, NSF), 3/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI7 | Norprene® Industrial grade (FDA, 3A, NSF), 7/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1NI8 | Norprene® Industrial grade (FDA, 3A, NSF), 1/2 in. ID x 1/16 in. wall, 50 feet | | |
| TB1PH2 | PharMed®,1/8 in. ID x 1/16 in. wall, 25 feet | | |
| TB1PH3 | PharMed®, 3/16 in. ID x 1/16 in. wall, 25 feet | | |
| TB1PH4 | PharMed®, 1/4 in. ID x 1/16 in. wall, 25 feet | | |
| TB1PH5 | PharMed®, 5/16 in. ID x 1/16 in. wall, 25 feet | | |
| TB1PH6 | PharMed®, 3/8 in. ID x 1/16 in. wall, 25 feet | | |
| TB1\$I2 | Silicone (SPX-50) peroxide-cured, 1/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1SI3 | Silicone (SPX-50) peroxide-cured, 3/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1SI4 | Silicone (SPX-50) peroxide-cured, 1/4 in. ID x 1/16 in. wall, 50 feet | | |
| TB1SI5 | Silicone (SPX-50) peroxide-cured, 5/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1SI6 | Silicone (SPX-50) peroxide-cured, 3/8 in. ID x 1/16 in. wall, 50 feet | | |
| TB1S17 | Silicone (SPX-50) peroxide-cured, 7/16 in. ID x 1/16 in. wall, 50 feet | | |
| TB1SI8 | Silicone (SPX-50) peroxide-cured, 1/2 in. ID x 1/16 in. wall, 50 feet | | |

Continued

FLEXIBLE TUBING



Continued

| ORDERING INFORMATION FOR PUMP TUBING | | |
|--------------------------------------|--|--|
| TUBING ORDER NUMBER | DESCRIPTION | |
| TB1SA2 | Silicone (3350), sanitary, 1/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1SA3 | Silicone (3350), sanitary, 3/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1SA4 | Silicone (3350), sanitary, 1/4 in. ID x 1/16 in. wall, 50 feet | |
| TB1SA5 | Silicone (3350), sanitary, 5/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1SA6 | Silicone (3350), sanitary, 3/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1SA7 | Silicone (3350), sanitary, 7/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1SA8 | Silicone (3350), sanitary, 1/2 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY2 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™ 1/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY3 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™ 3/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY4 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™ 1/4 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY5 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™ 5/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY6 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™3/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY7 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™7/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1TY8 | Silicone (XL-60), Long Life Pump Tubing, Tygoprene™1/2 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR2 | Fluran® (F-5500-A), Severe Environmental Tubing, 1/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR3 | Fluran® (F-5500-A), Severe Environmental Tubing, 3/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR4 | Fluran® (F-5500-A), Severe Environmental Tubing, 1/4 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR5 | Fluran® (F-5500-A), Severe Environmental Tubing, 5/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR6 | Fluran® (F-5500-A), Severe Environmental Tubing, 3/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR7 | Fluran® (F-5500-A), Severe Environmental Tubing, 7/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1FR8 | Fluran® (F-5500-A), Severe Environmental Tubing, 1/2 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL2 | Tygon® F4040-A Fuel and Lubricant Appl., 1/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL3 | Tygon® F4040-A Fuel and Lubricant Appl., 3/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL4 | Tygon® F4040-A Fuel and Lubricant Appl., 1/4 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL5 | Tygon® F4040-A Fuel and Lubricant Appl., 5/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL6 | Tygon® F4040-A Fuel and Lubricant Appl., 3/8 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL7 | Tygon® F4040-A Fuel and Lubricant Appl., 7/16 in. ID x 1/16 in. wall, 50 feet | |
| TB1FL8 | Tygon®F4040-A Fuel and Lubricant Appl., 1/2 in. ID x 1/16 in. wall, 50 feet | |

EUROPEAN SERVICE CENTER

Authorized service and Calibration Facility For Aalborg Products located in Germany MTC-Aalborg* Klosterrunsstraße 18 P.O. Box 1321 Müllheim D-79379 Germany Telefon: +49 (0)7631 5545

Fax:+49 (0)7631 14740 • Web: www.analyt-mtc.de • E-mail: info@analyt mtc.de *SGS ISO9001 Certification is not applicable.

Products Manufactured By Aalborg

ROTAMETERS

Single Tube

Aluminum / Brass / Stainless ● Interchangeable Glass Flow Tubes ● Optional Valves **Multiple Tube**

Two to Six Channels • Aluminum or Stainless

PTFE Single and Multiple Tube

Chemically Inert ● 1 to 4 Channels ● Interchangeable Glass Flow tubes

PTFE - PFA

Chemically Inert • Low to Medium Flow of Corrosive Liquids with PFA Flow Tube **Kits**

Aluminum / Stainless / PTFE • Including Five Glass Flow Tubes and a Set of Floats **Gas Proportioners**

Aluminum / Stainless • Used for Blending Two or Three Gases

Medium Range

Glass Safety Shield • Dual Air and Water Scale

Optical Sensor Switch

Non-Invasive Means for Detection of a High or Low Flow **High Flow Industrial Stainless Steel Flow Meters**

Heavy Duty Stainless Steel • Direct Reading Air and Water Scales

VALVES

Barstock

Brass or Stainless • Standard or High Precision

PTFE

Chemically Inert • Needle or Metering

Proportionating Solenoid

- Stainless For Controlling Gas or Liquid Flow
 - Pulse width Modulated

SMV • Stepping Motor Valve

PERISTALTIC PUMPS

Fixed RPM Pumps

Pump Heads

Tubing Pumps

Variable Speeds

Dispensing Pumps

Flexible Tubings

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Aluminum or Stainless • With or Without LCD Readout

Low Cost Mass Flow Controllers

Aluminum or Stainless • With or Without LCD Readout

Mass Flow Controllers

Stainless • One to Four Channel Systems

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Multi Parameter Digital Mass Flow Meters

Displays Flow Pressure and Temperature

Paddle Wheel Meters

For Liquids • Optional Temperature Measurements

Vortex In-Line and Insertion Flow Meters
Steam / Liquid and Gas Service
Smart Rate / Totalizer / Signal Conditioner
LCD Keypad • RS232 / 485 • Pulse Output • Alarms