

# ANBPL 12.4

## Progressive Cavity Pump for Metering & Dosing

### Features

- \* Rugged Design
- \* 1" NPTF
- \* Non-Pulsating Flow
- \* 316 Stainless Steel Optional
- \* PTFE Stators Available
- \* Corrosion Resistant

### Pump Description

The ANBPL 12.4 Series is a rugged series of medium sized progressive cavity metering pumps available immediately from our inventory at Liberty Process Equipment. This pump is an ideal addition to the sewage treatment industry for polymer feed systems. This pump is rated up to 9.5 GPM and at discharge pressures up to 350 psi in our 4 range design. All Pumps are offered in cast iron or standard 316 Stainless Steel.

All Pumps are offered with our standard 1" NPTF connections or optional 1" 150# RF Flanges. Stators are available in Buna Nitrile, Viton and also in PTFE Teflon for the highest standards in corrosion resistance. The Close-Coupled ANBPL is a great alternative where space is a concern, offered in designs to accommodate 56C and 145TC Frame Motors. Liberty Process can offer a drive and control option to meet your needs and budget.

From a simple, fixed speed motor to a DC or variable frequency drive controlled pump unit we can offer it. Liberty Process can offer a drive and control option to meet your needs and budget. From a simple, fixed speed motor to a DC or variable frequency drive controlled pump unit we can offer it.

### Materials

**Rotor:** *Chrome Plated 316 Stainless Steel*

**Stator:** *Buna, PTFE, Viton™*

**Motor:** *2, 3, and 5 hp*

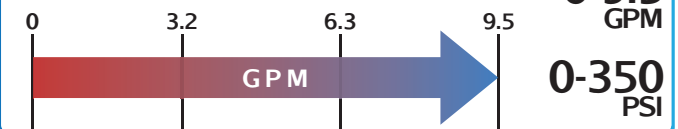
**Inlet:** *10"*

**Outlet:** *10"*

**Bases:** *Steel and Stainless Steel*



ANBPL 12.4



### Curves

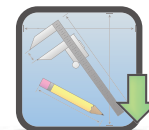
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### Drawings

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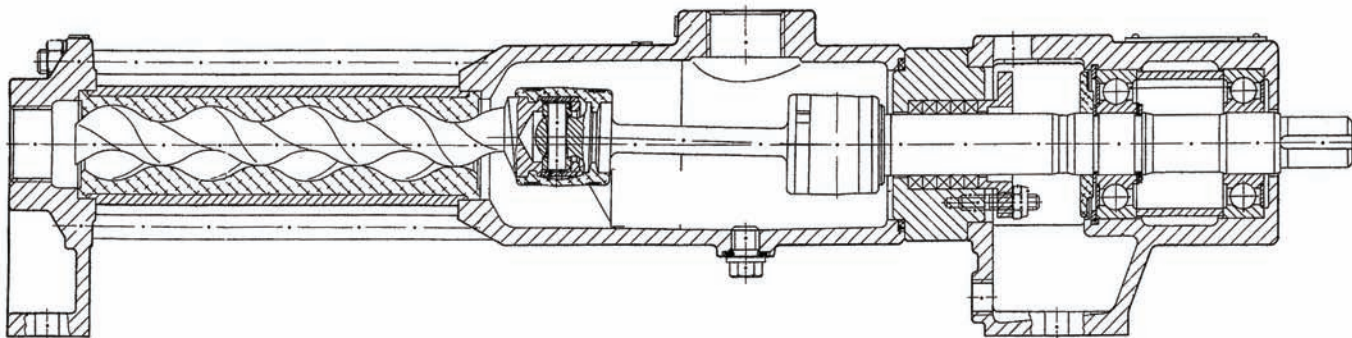


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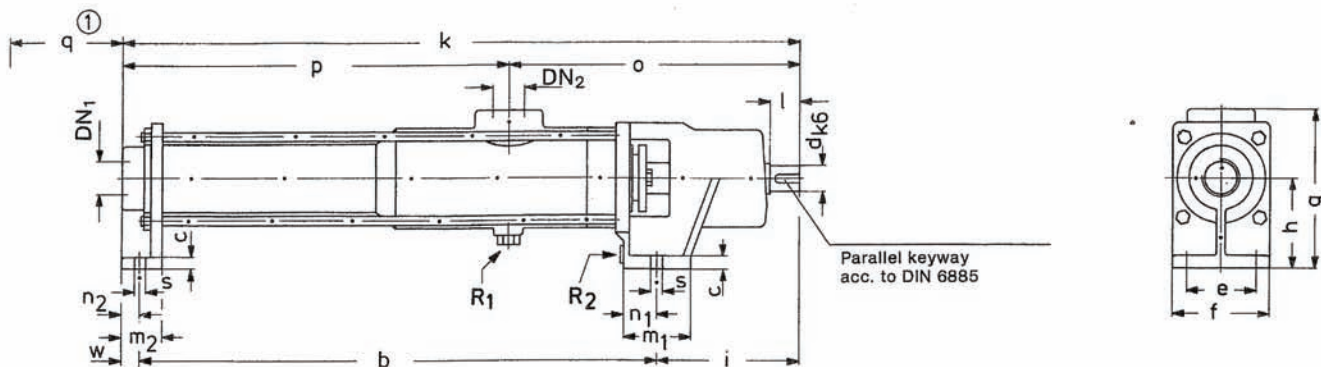
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# ANBPL 12.2



Dimensions in mm.  
Internal diameters of suction, discharge and auxiliary connections in inch.  
The manufacturer reserves the right to make technical modifications without prior notice.

Direction of rotation:  
Counterclockwise looking from the drive end is standard, in which case DN<sub>1</sub> = delivery connection, DN<sub>2</sub> = suction connection.  
Opposite direction of rotation is possible in which case DN<sub>1</sub> = suction connection, DN<sub>2</sub> = delivery connection.

Pump size	Pump dimensions																			Suction/ Discharge connections DN <sub>2</sub> /DN <sub>1</sub> ②	Approx. weight in kg
	b	c	d	e	f	g	h	i	k	l	m <sub>1</sub>	m <sub>2</sub>	n <sub>1</sub>	n <sub>2</sub>	o	p	m <sub>1</sub>	s	w		
3.2	381	10	20	70	85	135	80	125	523	30	60	35	30	17	253	270	160	9	17	R 1 R 1 R 1 1/4	11
6.2	421								310							160	11.5				
12.2	457								346							190	12				

# ANBPL 12.2

Typical Performance Curve for water at 68 Deg. F.

Size - 12

Stage(s) - 2

Starting Torque = 12.5 to 18.4 ft. lb

Max Pres. = 175 PSI

Max RPM = 1200

