

# Control instruments

## Pressure gauges

Types of pressure gauges available: dry, industrial, process gauge, contractor, replacement gauge, low pressure and glycerin filled gauge with unit measures in PSI, water inches or mercury inches depending on the model. Accurate and reliable, M/NPT connection 1/4" or 1/8".

The connection can be located at the bottom (by default) or center back mount (on demand).



### Glycerin filled gauges:

BRASS

ITEM	RANGE	Ø	CONNECTION	PRICE
250LFB01	30" Hg - 0 vac	2½"	1/4" M/NPT	14.95 \$
250LFB02	30" Hg - 15 psi	2½"	1/4" M/NPT	14.95 \$
250LFB03	30" Hg - 30 psi	2½"	1/4" M/NPT	14.95 \$
250LFB04	30" Hg - 60 psi	2½"	1/4" M/NPT	14.95 \$
250LFB05	30" Hg - 100 psi	2½"	1/4" M/NPT	14.95 \$
CG015	0 - 15 psi	2½"	1/4" M/NPT	20.79 \$
CG030	0 - 30 psi	2½"	1/4" M/NPT	20.79 \$
CG060	0 - 60 psi	2½"	1/4" M/NPT	20.79 \$
CG0100	0 - 100 psi	2½"	1/4" M/NPT	20.79 \$
CG0160	0 - 160 psi	2½"	1/4" M/NPT	20.79 \$
CG0200	0 - 200 psi	2½"	1/4" M/NPT	20.79 \$
CG0300	0 - 300 psi	2½"	1/4" M/NPT	20.79 \$
CG0600	0 - 600 psi	2½"	1/4" M/NPT	20.79 \$
CG01000	0 - 1000 psi	2½"	1/4" M/NPT	20.79 \$

### Contractor gauges:

BRASS

450CB01	30" Hg - 0 vac	4½"	1/4" M/NPT	34.95 \$
450CB02	30" Hg - 15 psi	4½"	1/4" M/NPT	34.95 \$
450CB03	30" Hg - 30 psi	4½"	1/4" M/NPT	34.95 \$
450CB09	0 - 15 psi	4½"	1/4" M/NPT	34.95 \$
450CB10	0 - 30 psi	4½"	1/4" M/NPT	34.95 \$
450CB11	0 - 60 psi	4½"	1/4" M/NPT	34.95 \$
450CB12	0 - 100 psi	4½"	1/4" M/NPT	34.95 \$
450CB13	0 - 160 psi	4½"	1/4" M/NPT	34.95 \$
450CB14	0 - 200 psi	4½"	1/4" M/NPT	34.95 \$

### Process gauges:

\* (450PB) = Brass / (450PSS) = SS 316

450PB01	30" Hg - 0 vac	4½"	1/4" M/NPT	141.20 \$
450PB02	30" Hg - 15 psi	4½"	1/4" M/NPT	141.20 \$
450PB03	30" Hg - 30 psi	4½"	1/4" M/NPT	141.20 \$
450PB09	0 - 15 psi	4½"	1/4" M/NPT	141.20 \$
450PB10	0 - 30 psi	4½"	1/4" M/NPT	141.20 \$
450PB11	0 - 60 psi	4½"	1/4" M/NPT	141.20 \$
450PB12	0 - 100 psi	4½"	1/4" M/NPT	141.20 \$
450PB13	0 - 160 psi	4½"	1/4" M/NPT	141.20 \$
450PB14	0 - 200 psi	4½"	1/4" M/NPT	141.20 \$
450PSS01	30" Hg - 0 vac	4½"	1/4" M/NPT	150.00 \$
450PSS02	30" Hg - 15 psi	4½"	1/4" M/NPT	150.00 \$
450PSS03	30" Hg - 30 psi	4½"	1/4" M/NPT	150.00 \$
450PSS09	0 - 15 psi	4½"	1/4" M/NPT	150.00 \$
450PSS10	0 - 30 psi	4½"	1/4" M/NPT	150.00 \$
450PSS11	0 - 60 psi	4½"	1/4" M/NPT	150.00 \$
450PSS12	0 - 100 psi	4½"	1/4" M/NPT	150.00 \$
450PSS13	0 - 160 psi	4½"	1/4" M/NPT	150.00 \$
450PSS14	0 - 200 psi	4½"	1/4" M/NPT	150.00 \$
G450	Glycerin filling for 4½" pressure gauges.			21.50 \$

### Multiple purpose industrial gauges:

150A/400A series

BRASS



ITEM	RANGE	Ø	CONNECTION	PRICE
150A09	0 - 15 psi	1½"	1/8" M/NPT	6.85 \$
150A10	0 - 30 psi	1½"	1/8" M/NPT	6.85 \$
150A11	0 - 60 psi	1½"	1/8" M/NPT	6.85 \$
150A12	0 - 100 psi	1½"	1/8" M/NPT	6.85 \$
150A13	0 - 160 psi	1½"	1/8" M/NPT	6.85 \$
150A14	0 - 200 psi	1½"	1/8" M/NPT	6.85 \$
400A01	30" Hg - 0 vac	4"	1/4" M/NPT	21.95 \$
400A02	30" Hg - 15 psi	4"	1/4" M/NPT	21.95 \$
400A03	30" Hg - 30 psi	4"	1/4" M/NPT	21.95 \$
400A09	0 - 15 psi	4"	1/4" M/NPT	21.95 \$
400A10	0 - 30 psi	4"	1/4" M/NPT	21.95 \$
400A11	0 - 60 psi	4"	1/4" M/NPT	21.95 \$
400A12	0 - 100 psi	4"	1/4" M/NPT	21.95 \$
400A13	0 - 160 psi	4"	1/4" M/NPT	21.95 \$
400A14	0 - 200 psi	4"	1/4" M/NPT	21.95 \$

### Low pressure gauges:

250LPB series

BRASS



250LPB-15WV*	0 - 15" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-32WV*	0 - 32" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-55WV*	0 - 55" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-100WV*	0 - 100" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-15WO**	0 - 15" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-32WO**	0 - 32" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-55WO**	0 - 55" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-100WO**	0 - 100" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-200WO**	0 - 200" H2O	2½"	1/4" M/NPT	64.95 \$
250LPB-5PSI**	0 - 5 psi	2½"	1/4" M/NPT	64.95 \$
250LPB-10PSI**	0 - 10 psi	2½"	1/4" M/NPT	64.95 \$

(\*) = Vacuum / (\*\*) = Pressure

### Low pressure gauges (stainless steel):

400LPSS series

SS 316



400LPSS-15WV*	0 - 15" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-32WV*	0 - 32" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-55WV*	0 - 55" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-100WV*	0 - 100" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-15WO**	0 - 15" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-32WO**	0 - 32" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-55WO**	0 - 55" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-100WO**	0 - 100" H2O	4"	1/4" M/NPT	168.75 \$
400LPSS-5PSI**	0 - 5 psi	4"	1/4" M/NPT	168.75 \$
400LPSS-10PSI**	0 - 10 psi	4"	1/4" M/NPT	168.75 \$

(\*) = Vacuum / (\*\*) = Pressure

### Replacement pressure gauges for oxygen regulator:

200WB series

BRASS



200WB-12B	0 - 100 psi	2"	1/4" M/NPT	22.60 \$
200WB-14B	0 - 200 psi	2"	1/4" M/NPT	22.60 \$
200WB-17B	0 - 1000 psi	2"	1/4" M/NPT	22.60 \$
200WB-28B	0 - 4000 psi	2"	1/4" M/NPT	22.60 \$

\* Degreasing included for oxygen usage.

# Control instruments

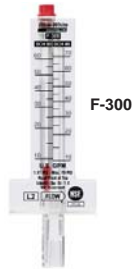
## Water flowmeters

Used in parallel or directly on the water line, these flowmeters allow to economically calculate flow rates. They are made of high quality acrylic (float in PVDF). Designed with inert materials, you can use these flowmeters with most liquids. We most certainly have the model you need for your various applications.

The "F" series conceived for horizontal applications shows flow rates for Sch40 and Sch80 PVC pipes.

Series for vertical pipe installation "U" (upward flow) and "D" (downward flow) show flow rates in US GPM for applications with Sch40 PVC pipes.

On special order, we offer models specially made for copper tube applications.



F-300



D-300 / U-300

ITEM	FLOW (US GPM)		TUBE DIAM.	PRICE
	SCH 40	SCH 80		
F-30100P	5 - 35	4 - 26	1"	142.21 \$
F-30125P	9 - 50	8 - 40	1 1/4"	142.21 \$
F-30150P	10 - 70	10 - 60	1 1/2"	150.86 \$
F-30200P	20 - 120	18 - 100	2"	154.45 \$
F-30250P	29 - 150	25 - 130	2 1/2"	176.24 \$
F-30300P	45 - 240	40 - 215	3"	198.63 \$
F-30400P	79 - 400	70 - 375	4"	216.69 \$
F-30600P	250 - 1050	--	6"	350.41 \$
F-30800P	500 - 1900	--	8"	389.53 \$
D-30150P	12 - 70	10 - 60	1 1/2"	173.42 \$
D-30200P	20 - 120	18 - 100	2"	186.89 \$
U-30150P	12 - 70	10 - 60	1 1/2"	173.42 \$
U-30200P	20 - 120	10 - 100	2"	186.89 \$

## Air & oxygen flowmeters

Models with flow valve.

ITEM	READING	FUNC.	INLET	PRICE
FM-035	0 - 3.5 lpm	Oxygen	1/8" F/NPT	97.29 \$
FM-0310-F2	0 - 3.0 lpm	Oxygen	1/8" F/NPT	75.08 \$
FM-0810-F2	0 - 8.0 lpm	Oxygen	1/8" F/NPT	61.05 \$
FM-0810-F4	0 - 8.0 lpm	Oxygen	1/4" F/NPT	61.05 \$
FM-1510-F2	0 - 15 lpm	Oxygen	1/8" F/NPT	76.84 \$
FM-1510-M4	0 - 15 lpm	Oxygen	1/4" M/NPT	76.84 \$
FM-601	0 - 15 lpm	Air	1/8" F/NPT	90.00 \$



## Air circulation indicators

Our indicators are specifically designed for faster verification checks of the air circulation in the pipe. An excellent product for balancing air lines in a soil treatment center (Bio Piles). Made of Sch40 PVC resistant against UV rays, these indicators can be installed on all Sch40 and Sch80 PVC pipes. In option, we recommend adding a rubber sleeve (ACAOU series) which will simplify the disassembly and cleaning processes. Aquamerik patent shipped with the product.



ITEM	DIAMETER	LENGTH	PRICE
IDEB-150	1 1/2"	12"	47.88 \$
IDEB-200	2"	12"	58.00 \$
ACAOU-1515	1 1/2"	--	5.84 \$
ACAOU-2020	2"	--	6.48 \$

## Liquid flowmeters



F-410



F-450



F-452



F-451



F-440

ITEM	US GPM	INLET	PRICE
F-40250LN-6*	0.025 - 0.250	3/8" F/NPT	182.03 \$
F-40050LN-6*	0.050 - 0.500	3/8" F/NPT	182.03 \$
F-40375LN-8*	0.1 - 1.0	1/2" F/NPT	154.08 \$
F-40376LN-8*	0.2 - 2.0	1/2" F/NPT	154.08 \$
F-40377LN-8*	0.3 - 3.0	1/2" F/NPT	166.11 \$
F-40500LN-8*	0.5 - 5.0	1/2" F/NPT	154.08 \$
F-40750LN-16*	1 - 10	1" F/NPT	296.80 \$
F-41000LN-16*	2 - 20	1" F/NPT	296.80 \$
F-44250L-8	0.025 - 0.250	1/2" M/NPT	146.54 \$
F-44375L-8	0.1 - 1.0	1/2" M/NPT	146.54 \$
F-44376L-8	0.2 - 2.0	1/2" M/NPT	146.54 \$
F-44500L-8	0.5 - 5.0	1/2" M/NPT	146.54 \$
F-44750L-8	1.0 - 10.0	1/2" M/NPT	170.56 \$
F-44750L-12	1.0 - 10.0	3/4" M/NPT	170.56 \$
F-44375LB-7**	0.1 - 1.0	3/8" F/NPT	209.44 \$
F-44375LB-9**	0.1 - 1.0	1/2" M/NPT	209.44 \$
F-44376LB-7**	0.2 - 2.0	3/8" F/NPT	209.44 \$
F-44376LB-9**	0.2 - 2.0	1/2" M/NPT	209.44 \$
F-44500LB-7**	0.5 - 5.0	3/8" F/NPT	209.44 \$
F-44500LB-9**	0.5 - 5.0	1/2" M/NPT	209.44 \$
F-44750LB-13**	1.0 - 10.0	3/4" M/NPT	244.81 \$
F-45375L-8	0.1 - 1.0	1/2" M/NPT	154.26 \$
F-45376L-8	0.2 - 2.0	1/2" M/NPT	154.26 \$
F-45500L-8	0.5 - 5.0	1/2" M/NPT	154.26 \$
F-45750L-12	1.0 - 10.0	3/4" M/NPT	178.16 \$
F-45375LB-9**	0.1 - 1.0	1/2" M/NPT	239.02 \$
F-45376LB-9**	0.2 - 2.0	1/2" M/NPT	239.02 \$
F-45500LB-9**	0.5 - 5.0	1/2" M/NPT	239.02 \$
F-45500LB-13**	0.5 - 5.0	3/4" M/NPT	266.55 \$
F-45750LB-13**	1.0 - 10.0	3/4" M/NPT	283.96 \$
F-451006LHN	0.5 - 6.0	1" F/NPT	474.95 \$
F-451001LHN	1.0 - 10.0	1" F/NPT	505.53 \$
F-451002LHN	2.0 - 20.0	1" F/NPT	530.54 \$
F-451003LHN	3.0 - 30.0	1" F/NPT	581.32 \$
F-451004LHN	4.0 - 40.0	1" F/NPT	610.26 \$
F-451006LHN24	0.5 - 6.0	1 1/2" F/NPT	531.73 \$
F-451001LHN24	1.0 - 10.0	1 1/2" F/NPT	531.73 \$
F-451002LHN24	2.0 - 20.0	1 1/2" F/NPT	556.75 \$
F-451003LHN24	3.0 - 30.0	1 1/2" F/NPT	607.51 \$
F-451004LHN24	4.0 - 40.0	1 1/2" F/NPT	636.57 \$
F-452020LHN	2.0 - 20.0	2" F/NPT	1 024.29 \$
F-452060LHN	6.0 - 60.0	2" F/NPT	1 024.29 \$
F-452080LHN	8.0 - 80.0	2" F/NPT	1 024.29 \$
F-452100LHN	6.0 - 100.0	2" F/NPT	1 024.29 \$
F-452130LHN	20.0 - 130.0	2" F/NPT	1 089.86 \$
F-452175LHN	25.0 - 175.0	2" F/NPT	1 089.86 \$

(\* ) Also available with guide rods (Hastelloy).

(\*\* ) Brass fittings included.

# Control instruments

## High flow flowmeters

The **F-420N** series offers a new alternative for flowmeters with high flow. The 1½" PVC connections reduce friction to the minimum. Dual scale, GPM and LPM.

ITEM	US GPM	LPM	INLET	PRICE
F-42025LN-16	5 - 25	20 - 100	1" F/NPT	430.52 \$
F-42025LN	5 - 25	20 - 100	1½" M/NPT	430.52 \$
F-42040LN-16	8 - 40	30 - 150	1" F/NPT	430.52 \$
F-42040LN	8 - 40	30 - 150	1½" M/NPT	430.52 \$
F-42050LN-16	10 - 50	40 - 200	1" F/NPT	430.52 \$
F-42050LN	10 - 50	40 - 200	1½" M/NPT	430.52 \$



## Flowmeters for corrosive liquids

The **F-460** series flowmeter is designed for use in ultra pure and/or highly corrosive applications. The meter body is made of polysulfone with precisely engineered float guide ribs and a PVC adapter. Also available for air usage (CFM). Scale of 4.5" (114 mm). Available in PVDF ("LP").

ITEM	US GPM	INLET	PRICE
F-46010LX-12P	0.1 - 1.2	3/4" F/NPT	420.45 \$
F-46020LX-12P	0.2 - 2.0	3/4" F/NPT	420.45 \$
F-46030LX-12P	0.3 - 3.0	3/4" F/NPT	420.45 \$
F-46050LX-12P	0.5 - 5.0	3/4" F/NPT	444.17 \$
F-461100LX-16P	1 - 10	1" F/NPT	641.49 \$
F-461200LX-16P	2 - 20	1" F/NPT	641.49 \$
F-461300LX-16P	3 - 35	1" F/NPT	641.49 \$
F-462200LX-32H	2 - 20	2" F/NPT	1 118.74 \$
F-462500LX-32H	5 - 50	2" F/NPT	1 118.74 \$
F-462800LX-32H	8 - 80	2" F/NPT	1 118.74 \$



## Low cost water flowmeters

Simply drill a 11/16" hole in a horizontal section of the pipe and clamp it with the two stainless steel clamps provided. For fresh water only. Maximum pressure of 120 psi. Dual scale, GPM and LPM.

ITEM	PIPE	US GPM	PRICE
WM-10	1"	5 - 35	109.28 \$
WM-1	1½"	20 - 80	109.28 \$
WM-2	2"	30 - 140	109.28 \$
WM-3	2½"	40 - 200	109.28 \$
WM-4	3"	80 - 350	109.28 \$
WM-5	4"	150 - 600	109.28 \$
WM-812365	Replacement float.		10.10 \$



## Micro-Flo paddlewheel flowmeters

The **Micro-Flo** series can measure low flow rates. Display both rate of flow and total accumulated flow. Available in F/NPT connections of 1/8", 1/4" and 1/2", 3/8" O.D. tubing connection (by default). Power supply of 115 volts.

**FS** = Sensor mounted display.  
**FP** = Panel mounted display, with 6' cable.  
**FA** = Sensor mounted, analog output applicabilities.

ITEM	ml/Min	US GPH	FS	FP	FA
FS1-100-6V	30 - 300	0.47 - 4.7	492.81 \$	492.81 \$	1 276.59 \$
FS1-200-6V	100 - 1000	1.6 - 15.8	492.81 \$	492.81 \$	1 276.59 \$
FS1-300-6V	200 - 2000	3.2 - 31.7	492.81 \$	492.81 \$	1 276.59 \$
FS1-400-6V	300 - 3000	4.7 - 47.5	492.81 \$	492.81 \$	1 276.59 \$
FS1-500-6V	500 - 5000	7.9 - 79.2	492.81 \$	492.81 \$	1 276.59 \$
FS1-600-6V	700 - 7000	11.1 - 110.9	492.81 \$	492.81 \$	1 276.59 \$



## F-1000 paddlewheel flowmeters

These flowmeters can be installed vertically or horizontally. With their easy to read 6 digit LCD display and waterproof enclosure, they will come in handy during field applications with harsh climate conditions. The display update time is at a rate of 1.5 second and 0.5 second total. Weather resistant ABS enclosure. Works with two AAA batteries (included). Flowmeters made for reading purposes only.

**RB** = Rate only.  
**TB** = Total only.  
**RT** = Rate & totalizer (on demand).



RB-xxxS4 series



RB-xxxMI series

ITEM	GPM us	INLET	RB	TB
RB-375MI-GPM1	0.8 - 8.0	3/8" M/NPT	522.40 \$	553.26 \$
RB-375MI-GPM2	0.4 - 4.0	3/8" M/NPT	522.40 \$	553.26 \$
RB-500MI-GPM1	2.0 - 20.0	1/2" M/NPT	522.40 \$	553.26 \$
RB-500MI-GPM2	0.5 - 5.0	1/2" M/NPT	522.40 \$	553.26 \$
RB-750MI-GPM1	3.0 - 30.0	3/4" M/NPT	522.40 \$	553.26 \$
RB-750MI-GPM2	0.8 - 8.0	3/4" M/NPT	522.40 \$	553.26 \$
RB-100MI-GPM1	5.0 - 50.0	1" M/NPT	522.40 \$	569.86 \$
RB-100MI-GPM2	2.0 - 20.0	1" M/NPT	522.40 \$	569.86 \$
RB-150MI-GPM1	4.0 - 40.0	1½" M/NPT	617.99 \$	647.76 \$
RB-150MI-GPM2	6.0 - 60.0	1½" M/NPT	617.99 \$	647.76 \$
RB-150MI-GPM3	10.0 - 100.0	1½" M/NPT	617.99 \$	647.76 \$
RB-200MI-GPM1	4.0 - 40.0	2" M/NPT	642.40 \$	671.85 \$
RB-200MI-GPM2	6.0 - 60.0	2" M/NPT	642.40 \$	671.85 \$
RB-200MI-GPM3	10.0 - 100.0	2" M/NPT	642.40 \$	671.85 \$
RB-200MI-GPM4	20.0 - 200.0	2" M/NPT	642.40 \$	671.85 \$
RB-150S4-GPM1	15 - 150	1½" IPS	522.40 \$	553.26 \$
RB-200S4-GPM1	30 - 300	2" IPS	522.40 \$	553.26 \$
RB-250S4-GPM1	40 - 400	2½" IPS	588.97 \$	614.77 \$
RB-300S4-GPM1	60 - 600	3" IPS	522.40 \$	553.26 \$
RB-400S4-GPM1	100 - 1000	4" IPS	584.61 \$	614.77 \$
RB-600S4-GPM1	250 - 2500	6" IPS	584.61 \$	614.77 \$
RB-800S4-GPM1	400 - 4000	8" IPS	584.61 \$	614.77 \$
RB-1000S4-GPM	600 - 6000	10" IPS	609.51 \$	639.32 \$
RB-1200S4-GPM	800 - 8000	12" IPS	609.51 \$	639.32 \$

## F-2000 paddlewheel flowmeters

All-purpose and durable flowmeter thanks to its weather resistant ABS enclosure. Easy to read 8 digit LCD display. Works with an AC/DC transformer or four AA batteries (RT series only). Flowmeter made for reading and controlling.



**RT** = Rate & totalizer.  
**AO** = Rate & totalizer, 4-20mA / 0-10 VDC analog output.  
**PC** = Batch processing, flow rate alarm, proportional chemical metering, flow rate & totalizer.  
**AP** = Analog output, batch processing, flow rate alarm, proportional chemical metering, flow rate & totalizer. **Available on demand.**

ITEM	US GPM	INLET	RT	AO	PC
RTS138M1GM	0.8 - 8.0	3/8" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS138M2GM	0.4 - 4.0	3/8" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS150M1GM	2.0 - 20.0	1/2" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS150M2GM	0.5 - 5.0	1/2" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS175M1GM	3.0 - 30.0	3/4" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS175M2GM	0.8 - 8.0	3/4" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS110M1GM	5.0 - 50.0	1" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS110M2GM	2.0 - 20.0	1" m/npt	1 045.04 \$	1 413.82 \$	1 413.82 \$
RTS115M1GM	4.0 - 40.0	1½" m/npt	1 139.53 \$	1 508.31 \$	1 508.31 \$
RTS115M2GM	6.0 - 60.0	1½" m/npt	1 139.53 \$	1 508.31 \$	1 508.31 \$
RTS120M1GM	4.0 - 40.0	2" m/npt	1 163.65 \$	1 532.44 \$	1 532.44 \$
RTS120M2GM	6.0 - 60.0	2" m/npt	1 163.65 \$	1 532.44 \$	1 532.44 \$
RTS120M3GM	10.0 - 100.0	2" m/npt	1 163.65 \$	1 532.44 \$	1 532.44 \$
RTS120M4GM	20.0 - 200.0	2" m/npt	1 163.65 \$	1 532.44 \$	1 532.44 \$

# Control instruments

## Magnetic float switches



ITEM	INSTALLATION	STEM	FLOAT	CLIP	PRESSURE	RESISTANCE	NO / NC*	THREAD	PRICE
LFE-11P-0B	Vertical	Polypro.	Polypro.	SS 316	7 psi	10 VA	NC	1/8" male	33.52 \$
LFE-808320	Vertical	Polypro.	Polypro.	Polypro.	7 psi	0.5 AMP	NO / NC	5/16" male	19.10 \$
NCP-2554	Vertical	Polypro.	Polypro.	Polypro.	40 psi	20 VA	NO / NC	1/8" male	67.50 \$
F7-PP	Vertical	Polypro.	Polypro.	Polypro.	100 psi	30 VA	NO / NC	1/8" male	40.43 \$
LFS-V-LJ12A3	Vertical	SS 304	SS 304	SS 304	20 psi	0.5 AMP	NO / NC	1/8" male	67.50 \$
AL-ZPC3	Horizontal	Polypro.	Polypro.	Polypro.	N/A	0.5 AMP	NO / NC	1/2" male	20.50 \$
LFS-MR1078SL	Horizontal	SS 304	SS 304	SS 304	20 psi	0.5 AMP	NO / NC	M10 male	70.15 \$
73138	Horizontal	SS 304	SS 304	SS 304	20 psi	1.0 AMP	NO / NC	3/8" male	69.00 \$
34659	Economical float switch NO/NC - 6½' cable with weight - 8 amps - Max 70°C.								42.04 \$

\* "Explosion proof" certified models also available upon request.

(\*) - NO: Normally open  
- NC: Normally closed

## Float switches & water level regulators

Easy to install, they can be used with submersible or above the ground pumps. Up to 1/2 hp or 13 amps at 120/240 volts. Adjustable On/Off button. Electric cable and cable tie included. The water level regulators are available in two different versions: the standard and "EX" approved models. The "ENM-10" polypropylene floats can be used with a mass liquid volume from 0.95 to 1.10 g/cm<sup>3</sup> (other measures available on demand), liquid temperature between 0° to 60°C and different PVC-made cable lengths that resist most chemicals.

"EX" safety barrier, this two-channel safety barrier ensure float protection against over-tension. Necessary when the "ENM-10" must be used in EX-classified installations. Floats also available in Heavy Duty (2 hp) and in 240 volts.



ITEM	DESCRIPTION	PRICE
860D-120-10	Black float NO, 10' cable, for draining - 120V	54.44 \$
860D-120-15	Black float NO, 15' cable, for draining - 120V	60.07 \$
860D-120-20	Black float NO, 20' cable, for draining - 120V	66.14 \$
860D-120-30	Black float NO, 30' cable, for draining - 120V	79.36 \$
860D-120-50	Black float NO, 50' cable, for draining - 120V	109.71 \$
860U-120-10	White float NC, 10' cable, for filling - 120V	54.44 \$
860U-120-15	White float NC, 15' cable, for filling - 120V	57.56 \$
860U-120-20	White float NC, 20' cable, for filling - 120V	66.14 \$
860U-120-30	White float NC, 30' cable, for filling - 120V	79.36 \$
860U-120-50	White float NC, 50' cable, for filling - 120V	109.71 \$
ENM-10-20	Water level regulator, 6m cable, polypro. base	321.90 \$
ENM-10-42	Water level regulator, 13m cable, polypro. base	404.55 \$
ENM-10-65	Water level regulator, 20m cable, polypro. base	440.80 \$
ENM-10-100	Water level regulator, 30m cable, polypro. base	497.35 \$
ENM-10-167	Water level regulator, 50m cable, polypro. base	P.O.R.
ENM-10-20EX	Water level regulator, 6m cable, poly. base, EX.	P.O.R.
ENM-10-42EX	Water level regulator, 13m cable, poly. base, EX.	P.O.R.
ENM-10-65EX	Water level regulator, 20m cable, poly. base, EX.	P.O.R.

## Pressure switches



ITEM	DESCRIPTION	PRICE
TC2151	Pressure switch, 30-50 psi	39.65 \$
TC2153	Pressure switch, 40-60 psi	39.65 \$
FP2171140	Pressure switch, security cut Low pressure of 30-50 psi	64.00 \$

## Pressure / vacuum switches

These switches verify the pressure or vacuum for pumps, blowers and tanks. A "NO" or "NC" contact is produced when a reading variation occurs. 1/8" M/NPT connection. UL / CSA approved.



ITEM	ADJUSTMENT	PSI/VAC	AMPS	PRICE
F-4200-0.5PT	0.05 - 0.5 psi	15 max	3	83.00 \$
F-4200-2PT	0.2 - 2.0 psi	30 max	10	79.23 \$
F-4200-5PT	0.5 - 5.0 psi	30 max	15	79.32 \$
F-4200-15PT	0.5 - 15.0 psi	45 max	15	79.23 \$
F-4200-30PT	0.5 - 30.0 psi	60 max	15	79.23 \$
F-4200-60PT	0.5 - 60.0 psi	120 max	15	72.00 \$
F-4200-100PT	1 - 100.0 psi	120 max	15	92.00 \$
F-4200-X4WPT	0.5" to 4" WC	10" Hg max	3	92.00 \$
F-4200-X5PT	0.2 - 5" Hg	30" Hg max	15	82.50 \$
F-4200-X10PT	0.5 - 10" Hg	30" Hg max	15	66.14 \$
F-4200-X30PT	1.5 - 30" Hg	30" Hg max	15	84.39 \$

# Control instruments

## High & low water alarms

These alarms operate with a mechanical float switch and 15' cable. The indoor Tank Alert is housed in a NEMA 1 metal enclosure and features a red warning light, horn with silence switch and test button.

The indoor/outdoor Tank Alert is the same as the indoor model but housed in a Type 3R watertight, thermoplastic enclosure. Alarms sound when water level rises. All alarms have a voltage of 115V with 6' power cords. UL and CSA approved.



ITEM	DESCRIPTION	PRICE
PEN-WL252	Indoor high-water alarm.	203.50 \$
PEN-WL252L	Indoor low-water alarm.	203.50 \$
PEN-WL273	Indoor/outdoor high-water alarm.	297.58 \$
PEN-WL273L	Indoor/outdoor low-water alarm.	327.66 \$

## Flow switches

Here's an excellent way of detecting water flow in a pipe. A "flapper" moves with water flow, actuating a magnetic switch on the outside of the pipe. An internal switch can send a signal to a warning system or to put in function or stop a heater, a cooler, a pump, etc.

The **ST-9** is factory adjusted to close the circuit at 14 gpm and open it at 6 gpm, but is also field adjustable over a wider range. **ST-11** and **ST-12** have a selectable N.O./N.C. setting and can close the circuit at 13 and 1 gpm respectively.

The **FS-2** product has a calibration screw for different applications. The **V12-2** model gives a signal by contact when the flow is inferior to 0.5 gpm and can be used with chemical products.

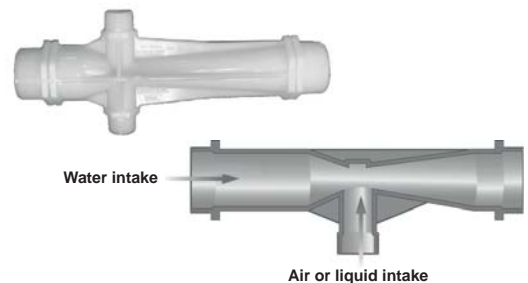


ITEM	INSTALLATION	PIPE	CONN.	PALETTE	CONTACT	RESIST.	PRICE
ST-12	Inside / outside	1" SOC	1/2" F/NPT	PVC	Fixed (NO/NC)	25 amps	176.69 \$
ST-9	Inside / outside	1 1/2" SOC	1/2" F/NPT	PVC	Fixed (NO/NC)	25 amps	123.66 \$
ST-11	Inside / outside	2" SOC	1/2" F/NPT	PVC	Fixed (NO/NC)	25 amps	173.10 \$
FS-2	Inside / outside	1" - 8"	1" NPT	SS 304	Adjustable	3 amps	117.28 \$
V12-2	Inside	1" F/NPT	--	Noryl GFN3	Fixed	1.5 amps	114.75 \$

## "Venturi" type injectors

The venturi injectors are an excellent way to inject almost all liquids or gases in the water. These systems are mostly used as a technique to inject air, oxygen or ozone. Many tests have shown a transfer efficiency of over 99% for applications that use ozone. Our injectors are made of PVDF (black Kynar), a high quality plastic that resists ozone oxidation.

Works with a minimum pressure of 10 psi and only requires a differential pressure of 16% in order to start the vacuum process. We have made a selection of available models, but you can contact us if you have any special applications. **Stainless steel models also available.**



ITEM	LIQUID INTAKE	AIR OR LIQUID INTAKE	WATER FLOW (15 psi "in" to 5 psi "out")	AIR FLOW (15 psi "in" to 5 psi "out")	LIQUID SUCCION FLOW	PRICE POLY. "-PP"	PRICE KYNAR "-PVDF"
M0287	1/2"	1/4" INS.	25 GPH	<1.0 SCFH	4.1 GPH	51.78 \$	* 83.51 \$
M0384	1/2"	1/4" INS.	72 GPH	1.0 SCFH	11.3 GPH	73.72 \$	94.91 \$
M0484	1/2"	1/4" INS.	126 GPH	2.3 SCFH	11.4 GPH	73.72 \$	94.91 \$
M0584	3/4"	1/4" INS.	216 GPH	4.6 SCFH	27.9 GPH	70.68 \$	94.91 \$
M0684	3/4"	1/4" INS.	366 GPH	7.2 SCFH	26.1 GPH	N/A	94.91 \$
M0784	3/4"	1/4" INS.	468 GPH	16.5 SCFH	33.7 GPH	--	94.91 \$
M1078	1"	1/2" INS.	570 GPH	13.1 SCFH	79.9 GPH	120.65 \$	183.83 \$
M1583	1 1/2"	1/2" INS.	1116 GPH	21.7 SCFH	163.0 GPH	151.72 \$	263.25 \$
M1584	1 1/2"	1/2" INS.	1890 GPH	71.7 SCFH	N/D	170.24 \$	263.25 \$
M2081	2"	1 1/4" INS.	3372 GPH	87.0 SCFH	623.0 GPH	208.43 \$	480.61 \$
M3090	3"	1 1/2" INS.	7920 GPH	190.8 SCFH	1428.0 GPH	566.20 \$	1 191.21 \$
M4091	4"	2" INS.	15 060 GPH	420.0 SCFH	2820.0 GPH	1 561.80 \$	2 027.21 \$

(\* Kynar (PVDF) natural color only.

# Control instruments

## Motor starter control panels

Our pre-assembled motor starter control panels (for pumps and others) are available in different capacities and voltage. Ideal for operation control with external signal (level floats, pressure switch, etc), these panels are manufactured in NEMA 4X PVC in CSA standard. The 240-volts models include a overload relay which gives more protection to the motor. Those in 600-volts have a 2-positions "On/Off" selector, 600 VAC / 120 VAC transformer and overload relay. Fast shipping for the majority of these models. We also offer custom-made control panels for all applications, please contact us if you have any information.

ITEM	DESCRIPTION	PRICE
240-volts / 1-phase / 60 Hz starter, PVC NEMA 4X housing		
PC-003031-R	Starter // 3 hp with reset button.	280.02 \$
PC-005031-R	Starter // 5 hp with reset button.	335.66 \$
PC-712031-R	Starter // 7½ hp with reset button.	471.80 \$
PC-010031-R	Starter // 10 hp with reset button.	516.88 \$
PC-001031-BPR	Starter // 1 hp with start / stop and reset buttons.	310.08 \$
PC-002031-BPR	Starter // 2 hp with start / stop and reset buttons.	310.08 \$
PC-003031-BPR	Starter // 3 hp with start / stop and reset buttons.	310.08 \$
PC-005031-BPR	Starter // 5 hp with start / stop and reset buttons.	372.68 \$
PC-712031-BPR	Starter // 7½ hp with start / stop and reset buttons.	494.02 \$
PC-010031-BPR	Starter // 10 hp with start / stop and reset buttons.	554.90 \$
PC-003031-RS	Starter // 3 hp with reset button and man-off-auto selector.	310.08 \$
PC-005031-RS	Starter // 5 hp with reset button and man-off-auto selector.	372.68 \$
PC-712031-RS	Starter // 7½ hp with reset button and man-off-auto selector.	494.20 \$
PC-010031-RS	Starter // 10 hp with reset button and man-off-auto selector.	554.90 \$
600-VAC / 3-phases / 60 Hz starter, PVC NEMA 4X housing		
PC-003053-BPR	Starter // 3 hp 600 VAC with start / stop and reset buttons.	650.08 \$
PC-005053-BPR	Starter // 5 hp 600 VAC with start / stop and reset buttons.	650.08 \$
PC-712053-BPR	Starter // 7½ hp 600 VAC with start / stop and reset buttons.	650.08 \$
PC-010053-BPR	Starter // 10 hp 600 VAC with start / stop and reset buttons.	662.00 \$



## Photoperiodic controller

This AQUA-FLEX controller is specially designed to control lighting automatically in research stations. It is an ideal product for growing or slowing the reproduction period with an accurate photoperiodic controller. Excellent for reducing stress on fish and most notably on progenitors. A transition period for lighting (sunrise and sunset) is recommended.

The timer can be easily programmed by introducing your longitude, latitude data and the daytime. These information will help the timer to follow the natural photoperiod cycle, depending on where you live around the world. An electronic module reduces and accentuates the lighting intensity while respecting the sunrise / sunset transition. It is possible to program the departure time & end time periods and the number of days needed to reach the number of hours planned. Daily sunrise / sunset time changes when in Breed or Rest Mode is instantly calculated and displayed. Resistive color touchscreen and possibility to choose between four languages (English, Italian, Spanish & German).

### Specifications for Aqua-Flex:

- Different functions: Sunrise / Sunset times; Set time date & dual timer; Breed & Rest modes.
- Possible to control lighting manually.
- Adjustable auto-lighting increase: 3 to 40 minutes.
- Adjustable auto-lighting decrease: 9 to 30 minutes.
- 1 output for automatic gradation lighting.
- 1 output for On/Off fluorescent lighting (if required).
- Operates with standard 115-volts / 60 Hz.



SUN-1



ITEM	DESCRIPTION	PRICE
T1044	30-amps photoperiodic controller w/out light dimmer.	168.62 \$
SUN-1	600w Aqua-Flex controller with automatic light dimmer.	980.50 \$

## Watertight connectors

Compression-type watertight connectors for electric cables, lightweight tubing and different cords. Even though these connectors are watertight, they were not made to be completely submerged in the water. Manufactured in plastic, non-corrosive and non-conductive.



ITEM	DIMENSION	CABLE Ø	OPENING	PRICE
HB-3207	1/4"	0.114" - 0.250"	0.492"	5.18 \$
HB-3210	3/8"	0.181" - 0.312"	0.670"	6.63 \$
HB-3216	1/2"	0.170" - 0.470"	0.875"	7.75 \$
HB-3222	3/4"	0.450" - 0.709"	1.068"	8.20 \$
HB-3225	1"	0.590" - 1.000"	1.375"	10.95 \$

## Plastic lighting fixture device

Whether you're looking for economical outdoor lighting solutions, corrosion-resistant fixtures for punishing industrial environments or energy-saving LED, Sceptalight fixtures prove themselves to be all-round performers in a variety of indoor and outdoor applications. Sceptalight fixtures are made from a glass-reinforced thermoplastic polyester resin, which enable them to stand up better to corrosive elements than metal. Sceptalight's thermoplastic construction offers outstanding corrosion and chemical resistance.

The polycarbonate protector globe gives great resistance against electrical shocks in case of accidental contact and guarantees that your work areas won't be infect by broken glass. The light has a power of 150 watts.



ITEM	DESCRIPTION	PRICE
LVPE150-PCC	Sceptalight glass light with polycarbonate globe.	76.50 \$
LVPU150	Clamp-on guard light protector for LVPE.	24.74 \$