תיק מתקן מעבדות מכבי


ATR141
96
גובה מיכל ס"מ
גובה: 79cm
FULL
Conductivity Controller
Reverse Osmosis Controller
SET
C/T
ROC-2313
CREATE
בקר מוליכות
ROC
12.6
Conductivity/Resistivity
בקר התנגדות
RCT-3220
מפסק ראשי

המתקן שברשותכם מיועד ליצור של מי תהליך, איכות המים שאופיינה צריכה לעמוד על התנגדות של לא פחות מ- $10.5M\Omega$.

המתקן מבוסס על טכנולוגיה של הרחקת מומסים על ידי ממברנה (אוסמוזה הפוכה) ולאחר מכן הרחקת יתרת המומסים על ידי מעבר במצע שרפים מעורבים (קטיוני\אניוני).

על מנת לקבל את הערכים הנדרשים המערכת מצריכה טיפול שוטף על פי הפרוט הבא:

תחזוקה שוטפת

טיפול רבעוני:

- החלפת סננים *EPMBB10, DG5005-10*
- אימות ערכים, מוליכות והתנגדות עם מכשיר מדידה נייד *Myron L 6P*

טיפול חציוני:

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- החלפת סנן סב-מיקרוני *MPX0.210S1*

טיפול שנתי:

- החלפת סננים *EPMBB10, DG5005-10*
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- החלפת סנן סב-מיקרוני *MPX0.210S1*
- החלפת נורת מעקר *Lamp Minipure 3*

כמו כן יש לתאם נטילה לצורך בדיקות מעבדה ע"פ איפיון של הלקוח, התיאום הוא ביזמת המעבדה!

החלפת שרפים מעורבים:

- החלפת שרפים תהיה על פי דרישה מהלקוח ובהתאם לרמת ההתנגדות, ניתן לראות בבקר ו\או בנורת הביקורת שנמצאת מחוץ לחדר,(ירוק- תקין, אדום- לא תקין).
- מותקנת עמודת שרפים רזרבית, כאשר ההתנגדות יורדת מהסף התחתון, $10.5M\Omega$ צריך לבצע החלפת עמודות מעמודה תורנית לעמודה רזרבית
- יש לדווח מיד עם ההחלפה למוקד השירות על מנת שנדאג להחליף את העמודה המותשת בהקדם ומבעוד מועד.

אופן התקשרות ודיווח על תקלות:

ניתן לדווח למוקד השירות של אקוואטק בטלפון קווי- 08-9248512

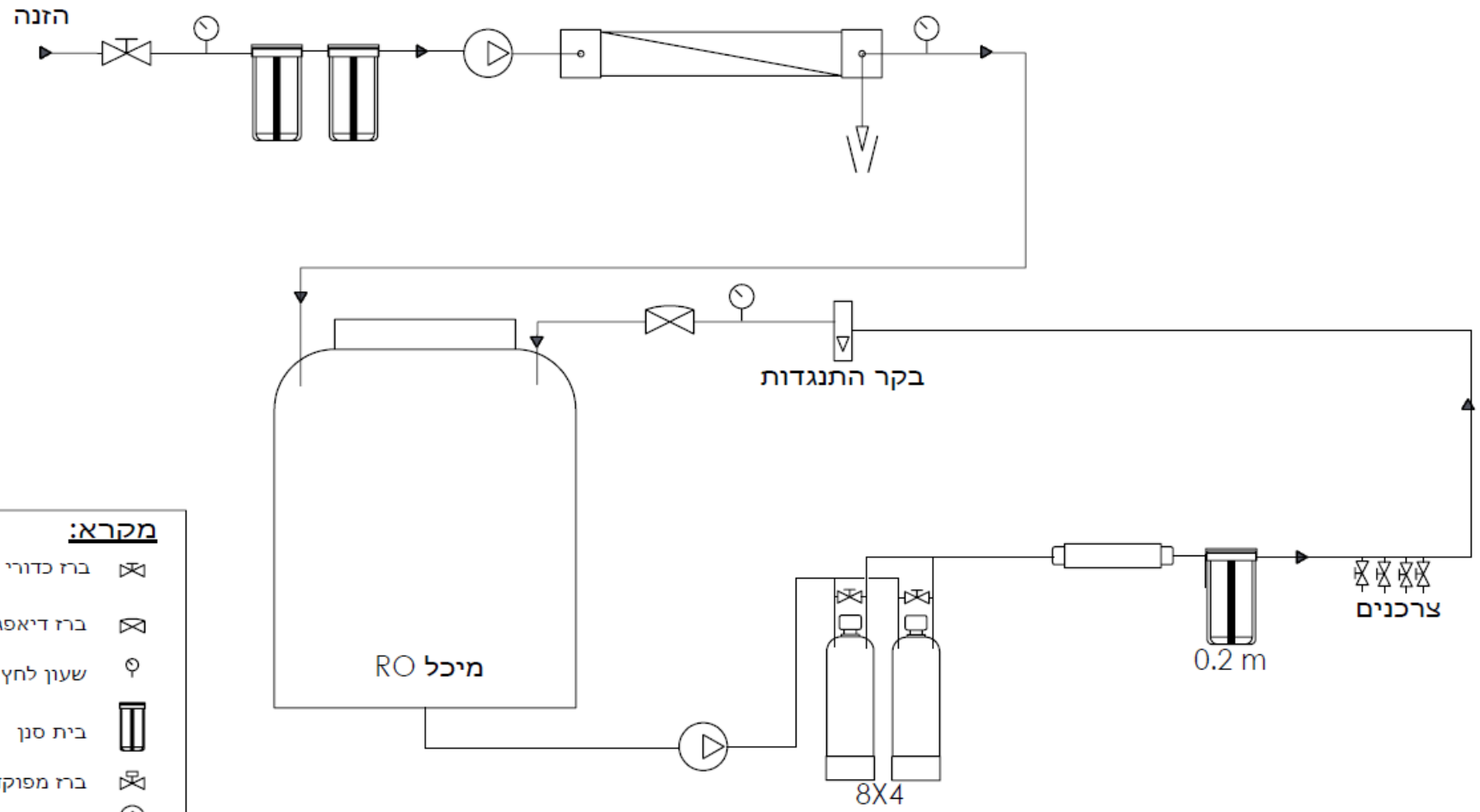
ו/או באי מייל לאחת הכתובות הבאות:

meital@aquatech.co.il

Aharon@aquatech.co.il

shimon@aquatech.co.il

ההעדפה היא לכתובות האי מייל!



	NAME	SIGNATURE	DATE
DRAWN	Eyal Rabinovitz		
CHK'D			

TITLE:

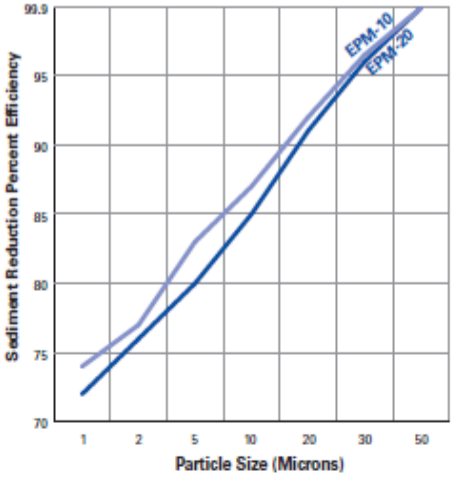
RO System
מעבדות דם מכבי אופייניי

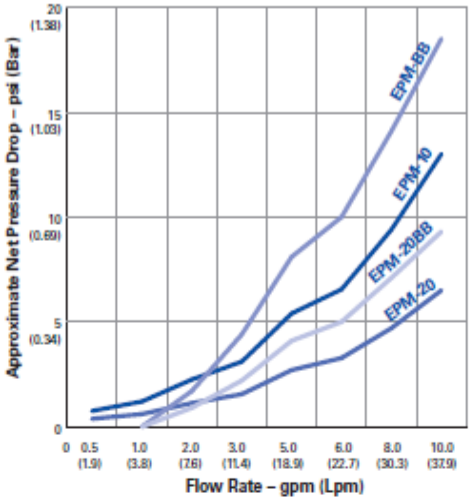
DWG NO.

AQUATECH אקוואטק

EPM SERIES

Modified Epsilon Carbon-Briquette Cartridges





NOTE: Micron ratings based on 85% or greater removal of given particle size. Data obtained from actual particle counts, using AC Fine Test Dust at 1 gpm. Estimated capacity using 2.0 ppm free available chlorine (FAC) at 0.5 ppm break through.

Cartridge Specifications and Performance Data

Model	Maximum Dimensions	Micron Rating* (nominal)	Initial ΔP (psi) @ Flow Rate (gpm)	Chlorine Taste & Odor Reduction @ Flow Rate
EPM-10	2⅞" x 9¾" (73 mm x 248 mm)	10	1.5 psi @ 1 gpm (0.10 bar @ 3.8 Lpm)	>3,000 gallons @ 1 gpm (11,400L @ 3.8 Lpm)
EPM-20	2⅞" x 20" (73 mm x 508 mm)	10	1.0 psi @ 2 gpm (0.07 bar @ 7.6 Lpm)	>6,000 gallons @ 2 gpm (22,700L @ 7.6 Lpm)
EPM-BB	4⅛" x 9¾" (118 mm x 248 mm)	10	5.0 psi @ 2 gpm (0.35 bar @ 7.6 Lpm)	>15,000 gallons @ 2 gpm (56,750L @ 7.6 Lpm)
EPM-20BB	4⅛" x 20" (118 mm x 508 mm)	10	4.0 psi @ 4 gpm (0.28 bar @ 15.1 Lpm)	>30,000 gallons @ 4 gpm (113,500L @ 15.1 Lpm)

*** Based on manufacturer's internal testing**

Materials of Construction

Filter Media	Bonded PAC
End Caps	Polypropylene
Outer Wrap	Polyolefin
Netting	Polyethylene
Gaskets	Buna-N
Temperature Rating	40–180°F (4.4–82.2°C)

NSF COMPONENT

Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions.

NOTE: When greater chlorine taste & odor reduction is needed, use the standard EP series blocks.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: EPM-Series cartridges will contain a very small amount of carbon fines (very fine black powder). After installation follow the instructions for flushing the cartridge to remove the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

U.S. Patent No. 5,976,432 & 5,823,668

PENTEK
Pentair Water

ISO-9001 MANUFACTURING

502 Indiana Avenue • P.O. Box 1047 • Sheboygan, Wisconsin 53082-1047
Customer Service: 800.645.0267 • Fax: 888.203.7361 • supportspecialist@pentekfiltration.com
International: 920.457.9435 • Fax: 920.457.2417 • international@pentekfiltration.com
www.pentekfiltration.com

Printed in USA MR06 310076

HYDRO-CURE®

4.5" Dual Gradient Sediment Filters

Clack Dual Gradient melt blown sediment filters are manufactured on state-of-the-art production equipment using a computer controlled process to ensure reliability and performance.

Dual Gradient depth filtration is achieved with our technically advanced die system. This design allows us to create two distinct filter zones. Larger particles are trapped and filtered out in the first zone and the smaller particles are trapped in the second zone. The tighter matrix of the inner zone also provides exceptional strength and functions as a self supporting core, eliminating the need for a separate center core. The Dual Gradient design allows for optimum dirt holding capacity and minimal change-outs.

Hydro-Cure® Dual Gradient sediment filters are made of polypropylene resin meeting FDA regulation 21CFR177.1520. No binders, lubricants or anti-static agents are used in our manufacturing process. Clack Dual Gradient melt blown sediment filters have been tested and certified under NSF/ANSI Standard 42 for material requirements only. The inert polypropylene resin provides exceptional chemical compatibility to handle a wide range of process fluids.

Hydro-Cure® Dual Gradient filters are available in 25/01, 25/05 and 50/25 micron ratings and will fit most standard Big Blue® and Big Clear filter housings.

Private labeling is available. Please contact our sales department for more information.

INDEPENDENTLY CERTIFIED NSF

Hydro-Cure® filters are tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT

STANDARD FILTER LENGTH	FILTER I.D.	FILTER O.D.	QTY PER CARTON	QTY PER PALLET	NOMINAL MICRON RATINGS*
9¾" (25.1 cm)	1⅛" (2.7 cm)	4.5" (11.43 cm)	8	560	25/01, 25/05, 50/25
20" (50.8 cm)	1⅛" (2.7 cm)	4.5" (11.43 cm)	6	264	25/01, 25/05, 50/25

*Micron rating is nominal. Installation and housing design can affect performance. Hydro-Cure® melt blown polypropylene filters are designed for sediment reduction from potable water. These filters will not remove cysts, bacteria or viruses.

Clack®
www.clackcorp.com

Clack Corporation
4462 DURAFORM LANE • WINDSOR, WISCONSIN 53598-9716 USA
PHONE (608) 846-3010 FAX (608) 846-2586 SALES/CUSTOMER SERVICE FAX (800) 755-3010

Form No. 2821 • 8/25/2014

MicroVantage™ MPX Series

Absolute-Rated (99.98%) High Performance Pleated Polypropylene Filter Cartridges

SHELCO FILTERS

- Absolute-Rated Beta 5000 (99.98%) retention efficiency
- 7.0 square feet (0.65 m2) of media surface area per 10" length
  - Maximum throughput and particle retention
  - Longer service life reduces maintenance costs
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage provides greater structural integrity
- Gradient, fixed pore structure increases dirt-holding capacity and resists unloading under high differential pressure
- Manufactured in state-of-the-art white room for high purity
- Complies with Food & Drug Administration's CFR criteria for food & beverage contact
- Meets USP Class VI Biological Test for plastics
- Various end cap configurations available to fit existing housings
- Produced in continuous lengths up to 40 inches

Applications

RO Prefilters	Food & Beverage
Process Water	Bottled Water
Plating Solutions	Microelectronics
Chemicals	Paint/Inks
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes 0.2, 0.45, 1, 2.5, 5, 10, 20

Nominal Lengths 9.75" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), 40" (101.6 cm)

Outside Diameter 2.67" (6.78 cm)

Inside Diameter 1.0" (2.54 cm)

Media Surface Area 7.0 sq. ft. (0.65 m2) per ten inches in length

Gaskets/O-rings

Silicone, Buna N, EPR, Viton, Teflon Encapsulated
Viton (o-rings only)

Materials of Construction

Filter Media:	Polypropylene
Outer Cage / Core / End Caps:	Polypropylene

Maximum Operating Temperature 176F (80C)

Recommended Change-out Differential Pressure

35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure

75 psid @ 70°F (5.2 bar @21°C), 40 psid @176°F (2.8 bar @ 80°C)

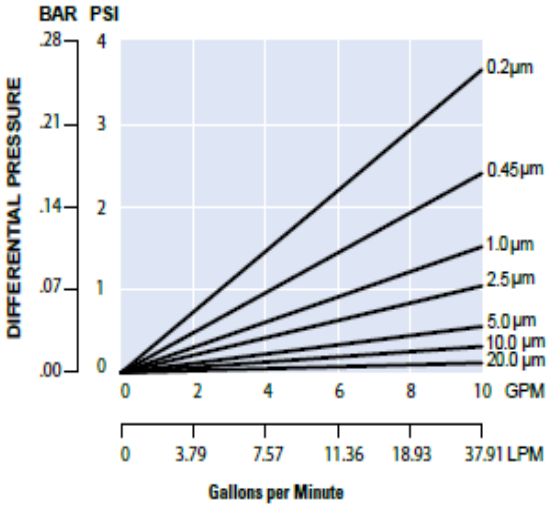
Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes
In-line steam at 257°F (125°C) @ 1 psid (0.07 bar) for 30 minutes
Autoclavable at 257°F (125°C) for 30 minutes

FDA and USP Compliance

All filters are manufactured of virgin polypropylene materials. All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All Components meet USP Class VI Plastics biological reactivity tests.

Flow vs. Pressure Drop



This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the △P of the housing becomes more apparent

Filter Removal Efficiency

MICRON	BETA 5000 99.98%	BETA 100 99%	BETA 50 98%
0.2 micron	0.20	0.10	0.05
0.45 micron	0.45	0.30	0.20
1.0 micron	1.0	0.65	0.35
2.5 microns	2.5	2.0	1.5
5.0 microns	5.0	4.0	3.0
10.0 microns	10.0	8.0	7.0
20 microns	20.0	17.0	15.0

Ordering Guide (Example: MPX1.0-10S3E)

MPX	1.0	– 10	S3	E
PRODUCT CODE	**MICRON**	**LENGTH**	**END CAP CONFIGURATION**	**GASKET / O-RING**
MPX	0.2 0.45 1.0 2.5 5.0 10.0 20.0	9.75" 10" 20" 30" 40"	S1 = DOE S3 = 222 w/ Fin End S4 = 222 w/ Flat End S5 = 226 w/ Fin End S6 = 226 w/ Flat End S7 = Internal O-ring with Recessed Plug S9 = Internal O-ring on both ends	B = Buna N E = EPDM S = Silicone V = Viton T = Teflon encapsulated Viton (o-ring only)

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.

Shelco Filters
100 Bradley Street
Middletown, CT 06457 USA
Tel: 800-543-5843 / Fax: 860-854-6120 / E-mail: info@shelco.com

RCT-3200 Series Resistivity Transmitting Controller

Technical feature:

Model	RCT-3201E	RCT-3200E	RCT-3210E	RCT-3220E	RCT-3220
Power supply	DC12V±1V	DC24V±4V	AC110±10%	AC220±10%	AC220±10%
Conductivity cell constant	0.050 cm^{-1}				
Measurement range	0.5~18.25MΩ·cm				
Resolution	0.01 MΩ·cm				
Accuracy	2.0% (FS)				
Temp. compensation range	Double NTC temp. compensation				
4~20 mA	Channels	Single channel, isolated			
	Characteristics	Reversable, fully adjustable, instrument/transmitter mode for selection			
	Loop resistance	400Ω (max) DC24V			
	Accuracy	±0.1mA			
Control contacts	Channels	Single channel			
	Relay contacts	SPDT			
	Load capacity	AC 220V/3A(max); AC 110V/5A(max); DC 24V/3A(max)			
Working environment	Temp.: 0~50℃, relative humidity: ≤85%RH,(none condensation)				
Storage environment	Temp.: (-20~60)℃, relative humidity: ≤85%RH (none condensation)				
Dimension	48 mm×96mm×80 mm (H×W×D)				
Hole size	44 (H) mm×92(W)mm				
Installation	Panel mounted, fast installation				

Application:

Widely used for small lab high /ultra-pure water systems.

Order direction:

Basic order units

RCT-3201E Resistivity transmitting controller (DC12V)

RCT-3200E Resistivity transmitting controller (DC24V)

RCT-3210E Resistivity transmitting controller (AC110V)

RCT-3220E Resistivity transmitting controller (AC220V)

RCT-3220 Resistivity transmitting controller (AC220V)

Note: The models with E are EMC enhancement type used for the industrial fields where there are strong interferences .

Conductivity cell selection

CON3132-13(0.05 cm^{-1}) sanitary grade 316L stainless steel probe used for high purity water measuring

CON5132-13 (0.05 cm^{-1}) sanitary titanium+ stainless steel probe used for high purity water measuring.

ROC-2313 Reverse Osmosis Controller

1 General Introduction

The instrument is a combined control instrument of a reverse osmosis controller and an on-line conductivity instrument. It can perform the operation test, status control and on-line monitoring of water quality conductivity (combining PLC controller and conductivity meter). It takes multiple anti-interference measures, adopts unique process flow and graphical control panel with LED indicator lamp embedded, the interface is friendly; menu-driven operation is used, multiple groups of parameters can be set and modified, the requirements of automatic operation are met.

2 Process Flow Selections

There are two typical operation modes for RO system (as shown in Fig.1A and B). This instrument can operate in both modes in A and B.

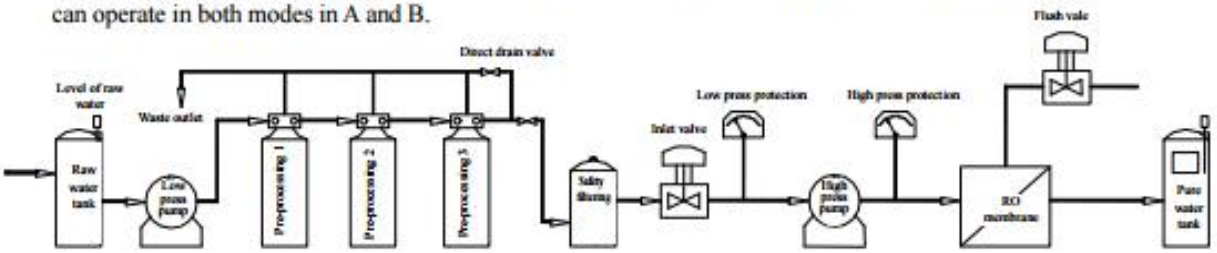


Fig. 1-A First level RO process flow with raw water tank

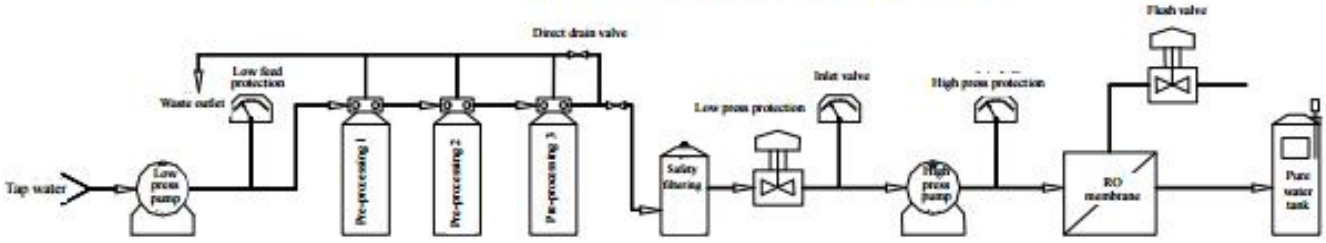


Fig. 1-B First level RO process flow with direct water supply

3 Main technical specifications:

1. Power voltage: AC 220V±15% 50Hz Power consumption: ≤3W
2. Environment conditions: 1) temperature: 0～50℃; 2) humidity: ≤85%RH
3. Measuring range: 0～20μS/cm，0～200μS/cm，0～2000μS/cm （**Fixed range which has been set by the manufacturer can not be changed by customers: So please indicate which measure range will be needed before placing an order. The ex-factory standard is 0-200μS/cm without prior indication.**）
Note: 0～2000μS/cm is suitable for the equipment with conductivity of the outflow water 100～2000μS/cm, with conductivity lower than 100μS/cm, measure range 0～200μS/cm or 0～20μS/cm should be selected. Accuracy: 1.5 level
4. Load capacity of output contact: 3A/250V AC (the magnetic valve should be driven through intermediate relay)
5. Operation pressure of conductance cell: 0～0.5Mpa
6. Medium temperature:5～50℃
7. Temperature compensation: automatic temperature with 25℃ as reference temperature
8. Distance of measuring range: less than 30m (the ex-factory configuration of electrode cable is 5m unless there is a special agreement)
9. Display mode: 3 1/2-digit LED digital display
10. Electrode selected: $1.0cm^{-1}$
11. outline dimensions: 96×96×110mm (height×width×depth)
meter board hole: 92×92mm (height×width)

Pixsys
ELECTRONICS

ATR141
Controller Double setpoint

Controller 32x74mm, Single control loop, 4-digits Display. Distinctive feature is the high configurability, resulting in a limited number of ordering codes.

Universal analogue input, selectable for a wide range of sensors, both for industrial or civil applications. Relay/SSR outputs, programmable as command/alarm/event. Optional RS485-ModbusRTU/Slave.

User-friendly operation, programming tools for quick set-up (MEMORY-CARD, programming and monitoring software LABSOFTVIEW).

Ordering codes

ATR141-AD	1 Analogue Input + 2 Relays 8 A + 1 SSR 12Vdc / Supp. 12...24Vac/Vdc
ATR141-A	1 Analogue Input + 2 Relays 8 A + 1 SSR 12Vdc / Supp. 24Vac
ATR141-B	1 Analogue Input + 2 Relays 8 A + 1 SSR 12Vdc / Supp. 230Vac
ATR141-C	1 Analogue Input + 2 Relays 8 A + 1 SSR 12Vdc / Supp. 115Vac
ATR141-AD-T	1 Analogue Input + 1 Relay 8 A + 1 SSR 12Vdc + RS485 Modbus RTU Slave / Supp. 12...24Vac/Vdc
ATR141-A-T	1 Analogue Input + 1 Relay 8 A + 1 SSR 12Vdc + RS485 Modbus RTU Slave / Supp. 24Vac

Main features

Box	32x74 (front panel) x 53 mm
Power supply	12...24 Vac/Vdc or 24Vac/115Vac/230Vac ±15% 50/60 Hz
Consumption	2 W
Display	4 digits, 0.4"red + 3 signaling leds
Operating conditions	Temperature 0-45 °C, humidity 35..95 RH%
Material	Box: Noryl UL94V1 self-extinguishing; front panel: PC ABS UL94V0 self-extinguishing
Weight	Approx. 100 g
Sealing	Front panel IP65 (with gasket) , Box IP30, Terminal bloks IP20
Quick set-up options	Memory Card with / without battery, software LABSOFTVIEW

MXH 2,4,8,16

Horizontal Multi-Stage Close Coupled Pumps in stainless steel

Construction

Horizontal multi-stage close coupled pumps in **chrome-nickel stainless steel**.
Compact and robust construction, without protruding flange and with single-piece lantern bracket and base.
Single-piece barrel casing, with front suction port above pumps axis and radial delivery at top.
Filling and draining plugs on the middle of the pump, accessible from any side (like the terminal box).

Applications

For water supply.
For clean liquids, without abrasives, which are non-aggressive for stainless steel (with suitable seal materials, on request).
Universal pump, for domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Liquid temperature from - 15 °C to + 110 °C.
Ambient temperature up to 40 °C.
Maximum permissible pressure in the pump casing: 8 bar.
Continuous duty.

Motor

2-pole induction motor, 50 Hz (n = 2800 rpm).
MXH: three-phase 230/400 V ± 10% up to 3 kW;
400/690 V ± 10% from 3,7 to 4 kW.
MXHM: single-phase 230 V ± 10%, with thermal protector.
Capacitor inside the terminal box.
Insulation class F.
Protection IP 54.
Constructed in accordance with: EN 60034-1;
EN 60335-1, EN 60335-2-41.

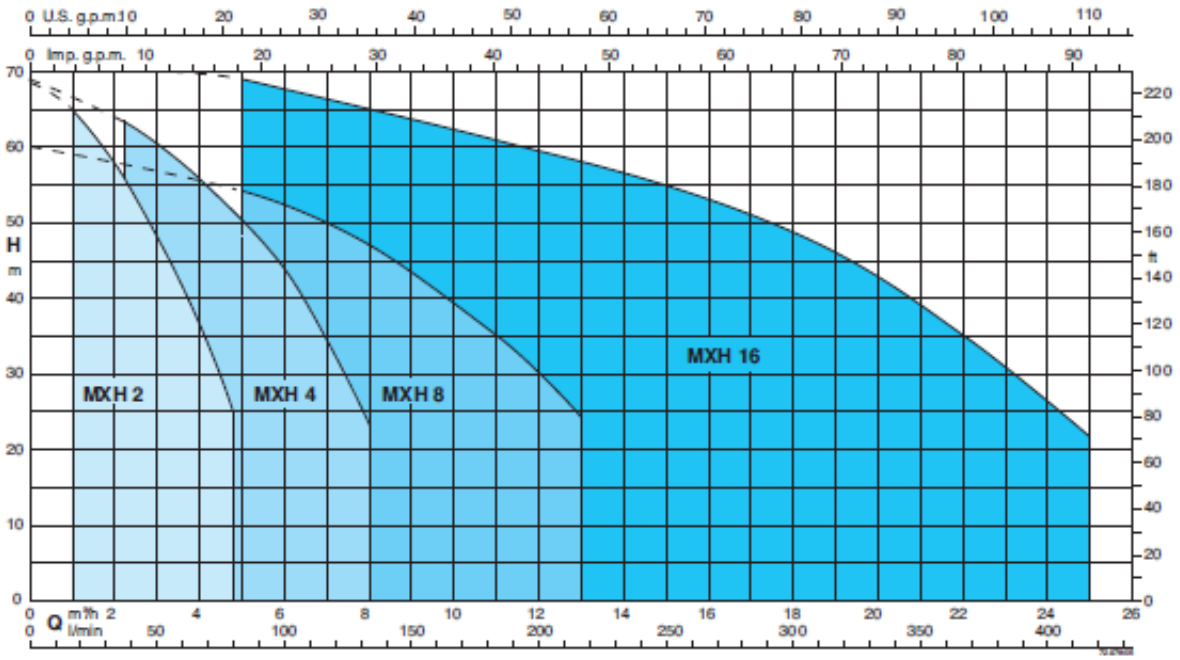
Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Protection IP 55.
- Special mechanical seal
- Pump casing seal rings in FPM.
- Higher or lower liquid or ambient temperatures.

Materials

Component	Material
Pump casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Stage casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Wear ring	PTFE
Impeller	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Casing cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Spacer sleeve	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Pump shaft	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)
Plug	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)
Mechanical seal with seat according to ISO 3069	Ceramic alumina, carbon, EPDM (Other materials on request)

Coverage chart n ≈ 2800 rpm



MXH 2,4,8,16

Horizontal Multi-Stage Close Coupled Pumps in stainless steel

calpeda®

Performance n ≈ 2800 rpm

3~	230 V	400 V	1~	230 V	P_1	P_2		Q m³/h	0	1	1,5	2	2,5	3	3,5	4	4,25	4,8
	A	A		A	kW	kW	HP	l/min	0	16,6	25	33,3	41,6	50	58,3	66,6	70,8	80
MXH 202E	1,7	1	**MXHM 202E**	2,3	0,5	0,33	0,45		22	20,5	19,4	18	16,4	14,2	12	9,9	8,7	5,5
MXH 203E	2,4	1,4	**MXHM 203E**	3	0,65	0,45	0,6		33	31	29	27	24,5	21,7	18,6	15,5	13,8	9
MXH 204/A	2,8	1,6	**MXHM 204/A**	4,2	0,9	0,55	0,75	H m	45	42,5	40,4	37,5	34,5	30,8	26,7	22,4	20,1	14,8
MXH 205/A	3,5	2	**MXHM 205/A**	5,4	1,2	0,75	1		57	53,5	50,5	47,5	43,5	39	34	28,5	25,8	19
MXH 206/A	4,7	2,7	**MXHM 206**	7,4	1,5	1,1	1,5		68,5	65	61,5	58	53,5	48	43	36,5	33,5	25

3~	230 V	400 V	1~	230 V	P_1	P_2		Q m³/h	0	2,25	3	3,5	4	4,5	5	6	7	8
	A	A		A	kW	kW	HP	l/min	0	37,5	50	58,3	66,6	75	83,3	100	116	133
MXH 402E	2,4	1,4	**MXHM 402E**	3	0,65	0,45	0,6		22,5	20	19	18,5	17,5	16	15	12,5	9,5	6
MXH 403/A	2,8	1,6	**MXHM 403/A**	4,2	0,9	0,55	0,75		33	30	29	27,5	26	24,5	23	19,5	15	9,5
MXH 404/A	3,5	2	**MXHM 404/A**	5,4	1,2	0,75	1	H m	44,5	40,5	38	36,5	35	33	31	26	20	12,5
MXH 405/A	4,7	2,7	**MXHM 405**	7,4	1,5	1,1	1,5		56,5	52	50	47,5	45,5	43	40	33,5	26	16,5
MXH 406	6,4	3,7	**MXHM 406**	9,2	2	1,5	2		68,5	63	60	58	56	53,5	51	44	35	23

3~	230 V	400 V	1~	230 V	P_1	P_2		Q m³/h	0	5	6	7	8	9	10	11	12	13
	A	A		A	kW	kW	HP	l/min	0	83,3	100	116	133	150	166	183	200	216
MXH 802/A	3,5	2	**MXHM 802/A**	5,4	1,2	0,75	1		22,5	20,5	20	19	18	16,5	15	13	11	8,5
MXH 803	5	2,9	**MXHM 803**	7,4	1,5	1,1	1,5	H	36	32	30,5	29	27,5	25,5	23	20	17	14
MXH 804	6,4	3,7	**MXHM 804**	9,2	2	1,5	2	m	48	42,5	41	39	37	34,5	32	28	24	19,5
MXH 805	7,5	4,3				1,8	2,5		60	54	52	49,5	47	43,5	39,5	35	29,5	24

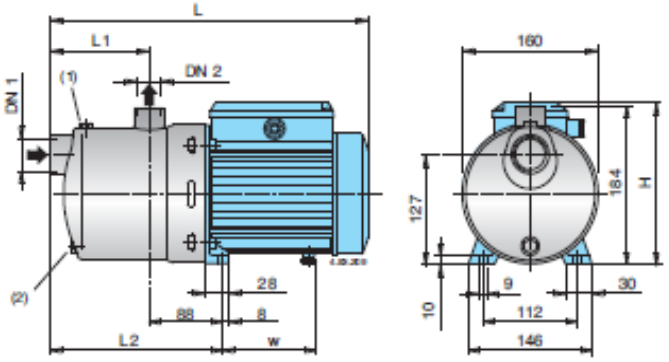
3~	230 V	400 V		P_2		Q m³/h	0	5	8	11	14	16	18	20	22	25
	A	A		kW	HP	l/min	0	83,3	133	183	233	266	300	333	366	416
MXH 1602	6,4	3,7		1,5	2		24	23	21,7	20,5	18,8	17,5	15,8	14	11,5	6,5
MXH 1603	7,5	4,3		1,8	2,5		36	34	31,8	29,5	26,8	24,8	22,4	19,2	15,3	8,8
MXH 1604	11,5	6,6		3	4	H	48	46,5	44,5	41,5	38	36	33	29	23	14
MXH 1605		9,6		3,7	5	m	60	57,5	55	51,5	48	45	42	37,5	31,5	19
MXH 1606		9,6		4	5,5		71	68	65	61	56	53	49	44	36	22

P_1 Max. power input.
P_2 Rated motor power output.

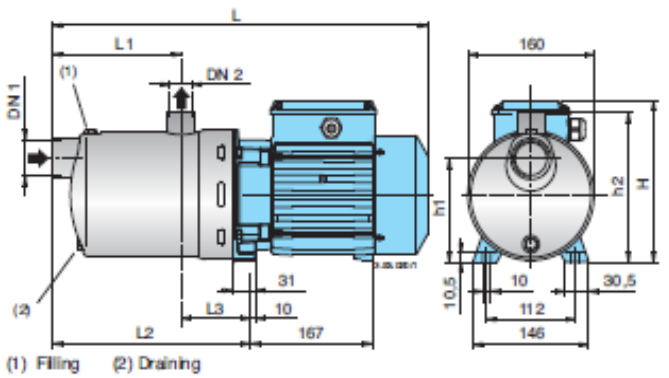
Test results with clean cold water, without gas content.
Tolerances according to ISO 9906, annex A.

+ 0,5 m security margin on NPSH-value is necessary.

Dimensions and weights



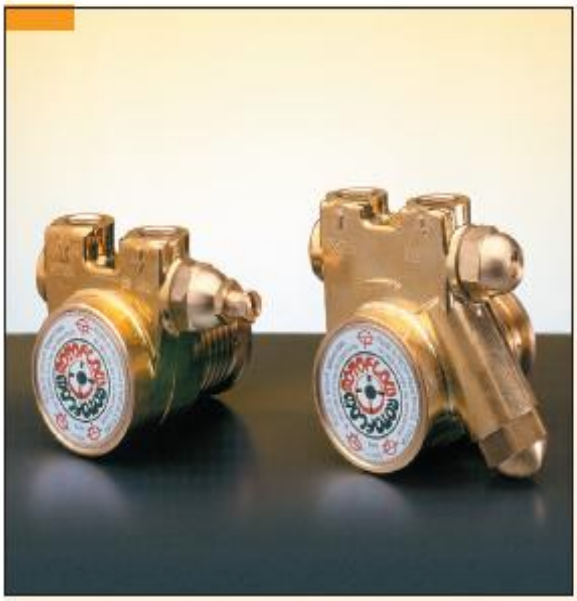
TYPE	DN1 ISO 228	DN2 ISO 228	mm L	L1	L2	H	w	kg MXH	MXHM
MXH 202E - MXHM 202E	G 1 1/4	G 1	331	94	182	176	98,5	6,8	6,9
MXH 203E - MXHM 203E	G 1 1/4	G 1	331	94	182	176	98,5	7,6	7,7
MXH 204/A - MXHM 204/A	G 1 1/4	G 1	381	118	206	193	112	10	11
MXH 205/A - MXHM 205/A	G 1 1/4	G 1	405	142	230	193	112	11,5	12,5
MXH 206/A	G 1 1/4	G 1	429	166	254	193	112	13,5	-
MXH 402E - MXHM 402E	G 1 1/4	G 1	331	94	182	176	98,5	7,6	7,7
MXH 403/A - MXHM 403/A	G 1 1/4	G 1	357	94	182	193	112	9,3	10,3
MXH 404/A - MXHM 404/A	G 1 1/4	G 1	381	118	206	193	112	10,8	11,8
MXH 405/A	G 1 1/4	G 1	405	142	230	193	112	13	-
MXH 802/A - MXHM 802/A	G 1 1/2	G 1	381	118	206	193	112	10,6	11,6



(1) Filling (2) Draining

TYPE	DN1 ISO 228	DN2 ISO 228	mm L	L1	L2	L3	H	h1	h2	kg MXH	MXHM
MXHM 206	G 1 1/4	G 1	500	166	254	88	210	127	184	-	18,6
MXHM 405	G 1 1/4	G 1	476	142	230	88	210	127	184	-	18
MXH 406 - MXHM 406	G 1 1/4	G 1	500	166	254	88	210	127	184	19,5	20,5
MXH 803 - MXHM 803	G 1 1/2	G 1	452	118	206	88	210	127	184	15,8	16,9
MXH 804 - MXHM 804	G 1 1/2	G 1	482	148	236	88	210	127	184	18,2	19,2
MXH 805	G 1 1/2	G 1	512	178	266	88	210	127	184	19	-
MXH 1602	G 2	G 1 1/2	476	128	230	101	210	117	187	18,2	-
MXH 1603	G 2	G 1 1/2	476	128	230	101	210	117	187	18,4	-
MXH 1604	G 2	G 1 1/2	687	166	279	113	225	132	202	30,8	-
MXH 1605	G 2	G 1 1/2	687	203	316	113	225	132	202	35	-
MXH 1606	G 2	G 1 1/2	687	241	354	113	225	132	202	35,9	-

Fluid-o-Tech brass rotary vane pumps



The rotary vane pumps, manufactured by Fluid-o-Tech and sold worldwide under the trademark Rotoflow, are volumetric pumps designed for pumping water and moderate aggressive liquids with low flow at high pressure.

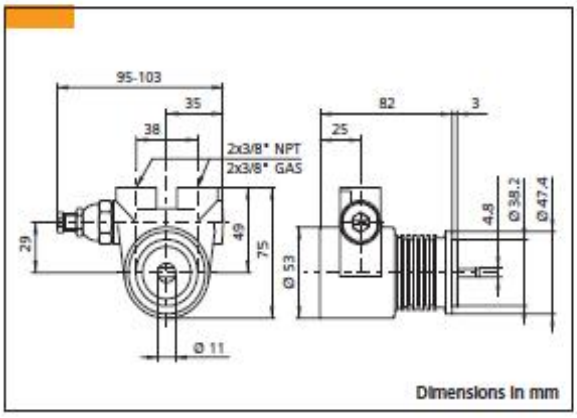
Technical features and manufacturing characteristics

The rotary vane pump is brass made with a stainless steel AISI 303 rotor, while the pumping chamber and the vanes are in carbon graphite.
The inlet and outlet ports are 3/8" NPT/GAS threaded.
The pumps are designed to be directly mounted to the motor with a stainless steel clamp.
For different mounting arrangements see our technical info "optional mountings".
Maximum operative temperature: 70 °C (158 °F).

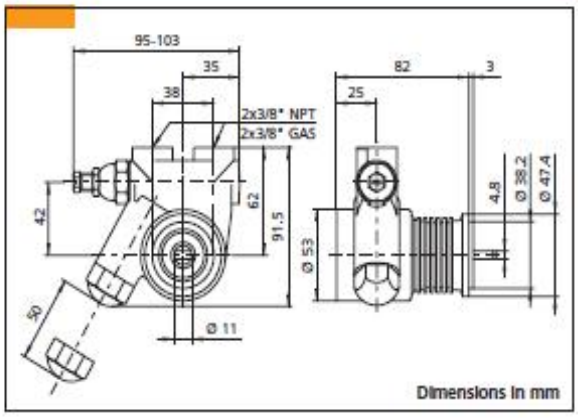
Available upon request:
- Viton/EPDM seals (suffix - V/E)
- built-in relief valve
- built-in 71 mesh filter
- flange mount
- NSF listed pumps for potable water (PA series)
- WRAS approved pumps (PW series)

Main applications

- Beverage vending machines
- Post-mix drink dispensers
- Espresso coffee machines
- Cooling systems
- Reverse osmosis
- Ultra-filtration
- Water dispensers



Dimensions in mm



Dimensions in mm