

## Walchem EWN-R Metering Pumps

W A L C H E M

Digital display

- Highly versatile—control using analog or pulse inputs\*
- Auto degassing valves on chlorine-specific pumps vent without losing pressure

Economical EWN-R pumps offer the pumping accuracy and advanced control options typically found on more expensive pumps. Dual-ball check valve assemblies in the suction and discharge fittings guarantee reliable performance. Precision ball guides and tapered seats ensure complete ball seating with every stroke for fast priming, accurate feed control and extended diaphragm life. Improved diaphragm design provides leak-free operation.

Pumps offer high-speed operation up to 360 strokes per minute. Their high compression ratio ensures proper feed, especially with off-gassing chemicals like sodium hypochlorite. 1800:1 turndown offers optimal flexibility across a number of applications. Pumps accept pulse inputs or fixed/scalable analog inputs; program via the user-friendly menu. Pulse inputs can be multiplied or divided to work best with your application. Normally open/normally closed output relay is programmable for STOP or SPM—use it to control an alarm or switch to a second pump.

Choose from pumps for chlorine-specific applications or general chemical applications. MFR #s indicate air vent type: **VCURA models** have an auto degassing valve to prevent gas-lock conditions; **VCURM models** have a multifunction valve for anti-siphoning, back pressure, air vent/bleed and pressure relief; **VCUR models** have a manual air vent valve.

**Maximum viscosity:** 100 cP  
**Suction lift:** 5 ft  
**Turndown rate:** 1800:1  
**Accuracy:** ±2%  
**Input:** 4-20 mA and pulse  
**Power:** 115 VAC

**Pumps include:** injection valve, foot valve, ceramic weight and 20' of polyethylene tubing.  
**Repair kits include:** diaphragm & retainer, valve guides, valve seats, check balls, gaskets and O-rings.

\* Analog/pulse control requires stock # 62765.



34358

## Pumps for Chlorine & General Chemicals

Use with aluminum sulfate (alum), ammonium chloride, ammonium sulfate, calcium hypochlorite, ferric sulfate, potassium permanganate, sodium bisulfate, sodium hexametaphosphate and sodium hypochlorite (call for compatibility with other chemicals). **Wetted materials:** PVC head, PVDF gaskets, ceramic check balls, PTFE diaphragm and FKM seals.

Chlorine & General

MFR #	MAX GPD	PSI	CONNECTION	STOCK #	EACH	REPAIR KITS	STOCK #	EACH
<b>MODELS WITH AUTO-DEGASSING VALVES</b>								
EWN-B11VCURA	12	150	3/8" OD Tube	62595	\$	N11VCA-PK	62658	\$
EWN-C16VCURA	24	150	3/8" OD Tube	34351		N16VCA-PK	62659	
EWN-C21VCURA	40.8	105	3/8" OD Tube	34354		N21VCA-PK	62660	
<b>MODELS WITH MULTI-FUNCTION VALVES</b>								
EWN-B11VCURM	14.4	150	3/8" OD Tube	34355	\$	N11VC-PK	62661	\$
EWN-C16VCURM	31.2	150	3/8" OD Tube	34356		N16VC-PK	62662	
EWN-C21VCURM	50.4	105	3/8" OD Tube	34357		N21VC-PK	62663	
<b>MODELS WITH MANUAL AIR VENT VALVES</b>								
EWN-C31VCUR	103.2	50	1/2" OD Tube	34358	\$	N31VC-PK	62664	\$
EWN-C36VCUR	160.8	30	1/2" OD Tube	34359		N36VC-PK	62665	



THIS PRODUCT HAS BEEN TESTED AND CERTIFIED BY THE WATER QUALITY ASSOCIATION ACCORDING TO NSF/ANSI 61 FOR MATERIALS SAFETY ONLY.

2-year bumper-to-bumper warranty

### Polyethylene Tubing

DESCRIPTION	TRANSLUCENT		BLACK	
	STOCK #	EACH	STOCK #	EACH
3/8" OD x 1/4" ID, 25' Roll	17201	\$	17202	\$
1/2" OD x 3/8" ID, 25' Roll	17203		—	—

### Accessories

DESCRIPTION	STOCK #	EACH
5-Pin Connector Assembly	62765	\$
5-Pin Reverse Key Connector	61250	
6-Wire Cable (Shielded), 20' Roll	51321	



Auto-Degassing Valve



Multi-Function Valve



Manual Air Vent Valve

## We also RECOMMEND...

Compatible with EW, EZ, EK or EWN Walchem pumps sized 21 or smaller

### Walchem Auto Degassing Valves

- Specifically designed for suction lift applications

Use this valve with Walchem E-series metering pumps to prevent gas lock caused by off-gassing chemicals like bleach or hydrogen peroxide. Valve uses the pump's suction stroke, along with gravity, to create subtle liquid pullback into the pump head. This allows trapped gas to vent out before reaching the discharge check valve. Dual check valve system allows only a limited amount of vented gas and fluid to return to the supply tank, without affecting the pump's pressure capabilities.

Field conversion is easy—just install the valve between the pump head and existing manual air vent valve. Manual air vent functionality remains unchanged. **Wetted materials:** PVC housing, FKM seals, titanium separation pin.

**Note:** Pump output will inherently decrease by roughly 15 to 20% due to the liquid returning to the tank during operation.

MFR #	DESCRIPTION	CONNECTION	STOCK #	EACH
ADV-VC-7	Walchem Auto Degassing Valve	3/8" OD Tube	31046	\$

W A L C H E M

