



# 10,000 GPD R.O. SYSTEM

## GENERAL SPECIFICATIONS

Product SKU	CQE-CO-02031
Gallons Per Day*	10,000 GPD
Gallons Per Minute	7 GPM
Approx. Weight	385 lbs.
Recovery**	33% - 50%
Operating Pressure	150 psi
Maximum TDS	2,000 ppm
Chlorine Tolerance	<1 ppm
Turbidity	1 NTU

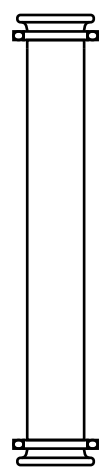
## MECHANICAL SPECIFICATIONS

Motor HP	1.5
Voltage (Volts)	110/220
Hertz	50/60

## CONNECTION SPECIFICATIONS

Feed Connection	2"
Product Connection	1"
Waste Connection	1"

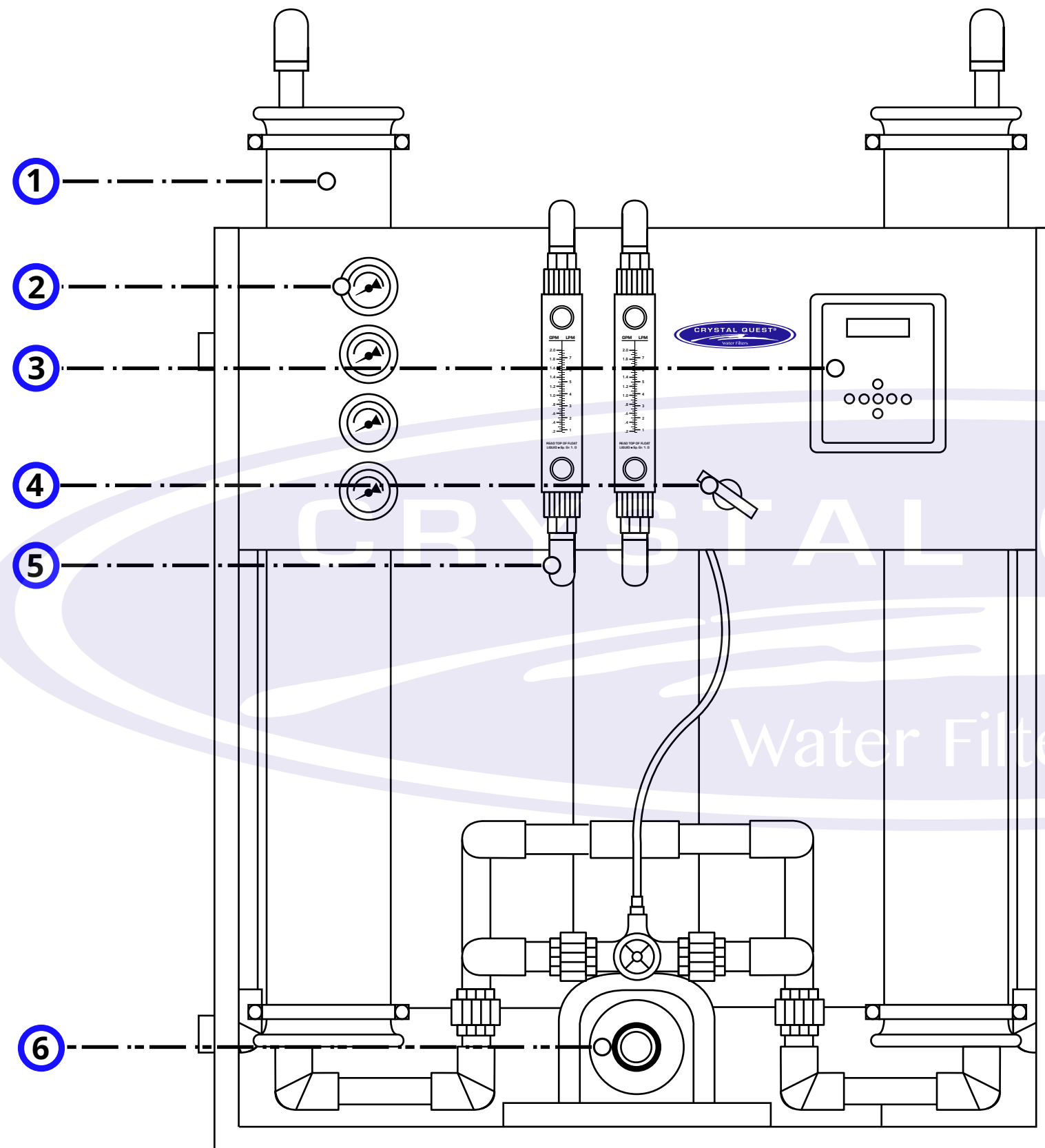
## MEMBRANE/PREFILTER SPECIFICATIONS



Size	4" x 40"	Size	9" x 48"
Qty.	6	Qty.	2 (2 Types)
Qty.	6	Backwash	Manual



## FRONT VIEW



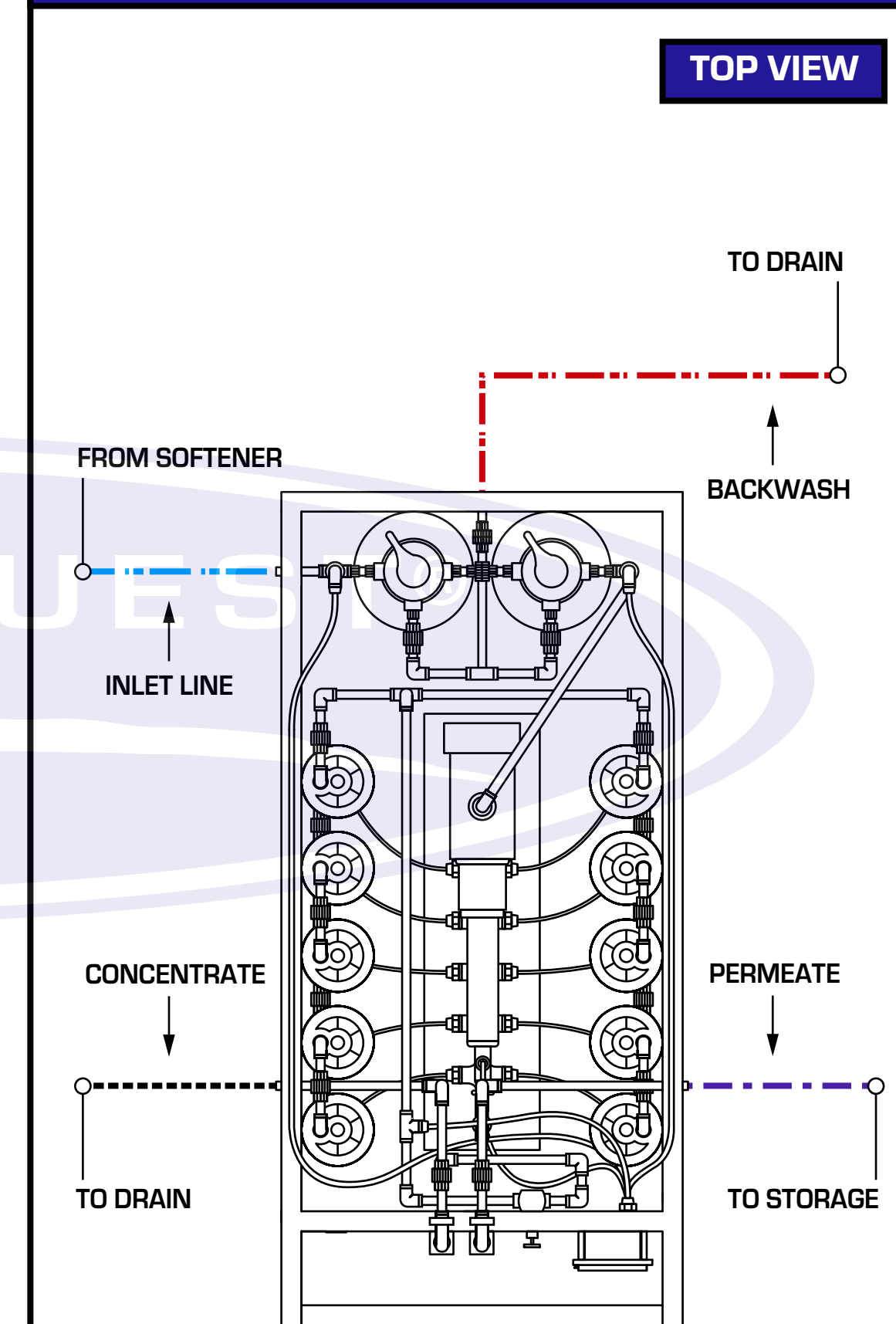
- SYSTEM GAUGES**
1. PRE-FILTRATION IN
  2. PRE-FILTRATION OUT
  3. PUMP PRESSURE
  4. WASTE PRESSURE

## FLOW KEY

Influent Water Flow	
Filtered Water Flow	
Waste Water Flow	
Backwash Flow	

## FLOW DIAGRAM

## TOP VIEW



## CERTIFICATIONS



## SPECIFICATION KEY:

	SPECIFICATION KEY:	QUANTITY:	COMMENTS:
1	4" x 40" STAINLESS STEEL MEMBRANE HOUSINGS	6	<ul style="list-style-type: none"> <li>• GPD IS PER 24-HOUR CYCLE.</li> <li>• RECOVERY RATIO MAY VARY FROM 33% - 50% AND UP TO 75% IF SYSTEM PROJECTIONS HAVE BEEN PROVIDED</li> </ul> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CRYSTAL QUEST. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CRYSTAL QUEST IS STRICTLY PROHIBITED.
2	0 - 300 LIQUID-FILLED SYSTEM PRESSURE GAUGES	4	
3	S-150 MICROPROCESSOR CONTROLLER PANEL	1	
4	MANUAL FLOW REDUCTION NEEDLE VALVE	1	
5	FLOW METERS - PERMEATE/CONCENTRATE	2	
6	1.5 HP CENTRIFUGAL MULTISTAGE PUMP/MOTOR	1	

UNLESS OTHERWISE SPECIFIED: DATE: 05/03/2018 DRAWN BY: DUSTIN

TITLE:  
**10,000 GPD COMMERCIAL HIGH FLOW REVERSE OSMOSIS FILTRATION SYSTEM**

DIMENSION KEY:  
 L → LENGTH  
 W → WIDTH  
 H → HEIGHT  
 D → DIAMETER

DIMENSIONS ARE IN INCHES. DRAWING IS NOT TO SCALE.		SIZE C	DWG. NO. 1	REV # A
SCALE: 1:20		WEIGHT:		SHEET 1 OF 1