



Turning water into communities ... one pump station at a time.



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PUMP STATION SPECIFICATION

PROJECT: **CHERRY PARK**

OFFER DATE: **6/11/2026**

† OFFER EXPIRES

QUOTE #: **24165**

REVISION: **D**

VALID FOR: **30 DAYS**

7/11/2026

To ensure correct order processing, you must reference QUOTE # 24165 and REVISION D on Purchase Order

CONTACT: **ROBERT DICKSON (208) 323-5300**

LOCATION

CITY: **THORNTON**

MODEL NUMBER: **CB#V2C010A00338-054XXB203ONS-6**

STATE: **CO - COLORADO**

DESIGN DETAILS

Design Point:	1						
Design Flow Rate - GPM:	338	0	0	Voltage:	208	Electrical Loads	AMPS
Intake Pressure - PSI:	36			Phase:	3	DISCONNECT	125
Boost Pressure - PSI:	54	0	0	Hertz:	60	NEC FLA	95
Discharge Pressure - PSI:	90						

PUMP AND MOTOR DETAILS

SEQUENCE: **JOCKEY/LEAD/LAG**

FUNCTION	QTY	HP	PUMP PERFORMANCE	RPM	TYPE / BRAND	MOTOR ENCLOSURE
MAIN/DUTY	2	10	170 GPM @ 135' TDH	3600	END-SUCTION CENTRIFUGAL	ODP
					EBARA	
JOCKEY	1	2	25 GPM @ 135' TDH	3600	HMS (HORIZ MULTI-STAGE)	ODP
					XYLEM-GOULDs	

SPECIAL MOTOR DESIGN/ADDITIONS

Premium Efficiency Motors (Default for all standard motors provided)

SYSTEM OVERVIEW

SYSTEM TYPE: BOOSTER SYSTEM - BY PASS
INTAKE SOURCE: POTABLE
DISCHARGE USE: NON-POTABLE

PUMP STATION ENCLOSURE: MARINE GRADE ALUMINUM W/ INSULATION & HEATER
PUMP STATION FLOW METER : BADGER MAG METER SIZE(S) = 6

SKID BASE SIZE (INCHES): 96 X 96 Estimated - Do not use for construction. Contact PPS for detailed drawing/info.

INCLUDES: START-UP, CALIBRATION & TRAINING

INCLUDES 1 PPS TECHNICIAN FOR A MAXIMUM OF 6 HOURS ON SITE FOR START-UP AND CALIBRATION OF PUMP STATION & OPERATOR TRAINING
- MUST BE SCHEDULED A MINIMUM OF 2 WEEKS IN ADVANCE - ANY ADDITIONAL TIME REQUIRED WILL BE CHARGED TO CUSTOMER

- UL QCZJ Certified pumping system
- This quote/estimate is for a factory tested system and/or components.
- The pump station shall include all pumps described above, as well as all necessary valves and piping (See details below).
- If provided the variable frequency control panel for the pump station will be prewired and pretested.
- If provided the system will be controlled by a PLC and HMI Touchscreen with programming written specific to the project.
- Control Panel is NEMA 12 manufactured for INDOOR operation.

DESIGN CRITERIA (Quotation is based on the following specifications/information):

- Customer supplied design point information.
- Information noted in the above Design Details & Pump Selections. Deviation from details specified above may impact pricing
- PPS is not responsible for any errors or omissions due to incomplete or inaccurate information.

OPTION - DROP PIPE - FLANGED* SUCTION 4" x 4" DISCHARGE 6" x 6" 1

DROP PIPE PROVIDE TRANSITION FROM PUMP STATION INTAKE & DISCHARGE PIPING TO UNDERGROUND PIPING - MUST BE INSTALLED BY OTHERS

* 2 & 3 INCH DROP PIPES WILL HAVE A THREADED TERMINATION

*NOTE - ALL DROP PIPES WILL BE 24" FROM TOP OF CONCRETE SLAB TO TOP OF BURIED PIPE RUN UNLESS OTHERWISE SPECIFIED

WARRANTY [See Terms & Conditions for details]	
TELEPHONE TECHNICAL SUPPORT: Free-of-charge for the life of your product (During normal operating/business hours)	
<i>Precision Pumping Systems (PPS) warrants that its products and systems will be free from defects in material and workmanship for a period of thirty-six [36] months from the date of placing the equipment in operation or forty [40] months from the date of completion of manufacture of the equipment, whichever shall occur first.</i>	
<i>Initial start-up and preventative maintenance must be performed by an authorized PPS representative or the warranty shall be void. This warranty does not apply to equipment that has been damaged, misapplied or modified in any way.</i>	
<i>If applicable to your Equipment, PPS warrants to the original buyer that its galvanized steel components will be free of rust-through damage for a period of 25 years from the date of completion of manufacture of the Equipment.</i>	
MULTI-STAGE PUMP MANUFACTURERS RECOMMEND THAT INTAKE FLUID IS CLEAR AND FREE OF SUSPENDED SOLIDS. DAMAGE TO THE PUMP OR PLUGGING OF THE PUMP DUE TO INTAKE FLUID THAT IS NOT STRAINED OR FILTERED TO MEET RECOMMENDED QUALITY IS NOT COVERED UNDER WARRANTY.	
SHIPMENT	
<i>SHIPMENT/DELIVERY: All reasonable efforts will be made to meet the requested shipment date after the receipt of a signed purchase order and approval of submittal(s). Manufacturer will not be held liable for delays in shipment or delivery.</i>	
NOTES	
• Appropriate power to be provided by others - voltage & phase specified above from Customer provided information • Offloading & set up by others (unless delivery/set-up option offered and accepted) • Wet well, concrete pad(s), intake structure or other civil works to be provided by others. • Tie-in to main line and flush lines to be performed by others (unless tie-in option offered and accepted) • No taxes are included in this quotation.	
EXCEPTIONS - ALTERATIONS - OTHER	
1	4" FEBCO 880 PROVIDED BY OTHERS BEFORE THE BOOSTER STATION
CONTROL SYSTEM DETAILS	
• CONTROLLER:	IDEC PLC6e-PLUS
• HMI:	IDEC 7.0" COLOR TOUCH SCREEN
• ENVIRONMENTAL DESIGN:	NEMA 12 cabinet manufactured for INDOOR operation
• MOTOR STARTING PRIMARY:	VFD + ALTERNATION CONTACTOR
• VFD MODEL:	ABB ACQ580
• PANEL COOLING:	FORCED AIR
• CONTROL SYSTEM MODEL NUMBER:	MMC2X010-203-DPP-MAC-J2V-15GFCI-U3F-TE-FK-PLC6E-HG7C-VZW
• CONTROL PANEL MODEL NUMBER:	CHERRY PARK-VFD PANEL [REV:B] / SCE-60EL3616LP, SCE-FK0616
• CONTROL PANEL SIZE:	H= 60" W+D= 3616" FEET= 6" TOTAL HEIGHT= 66"
• SPECIFIED KAIC:	NONE SPECIFIED
• VOLTAGE MONITOR • WIRELESS CAPABLE - Modem provided - No service included • GFCI Outlet (15A DUPLEX) - Control Panel Powered • UL Listed and Labeled (UL 508A) • Ethernet Capable for Internet Access • Clock Start Relay; 24vac (or 120vac) • System Fault Logger • VFD Sleep By Flow; Wake By Pressure • Adjust VFD Sleep Settings on HMI • Single Motor Controller • Single Main + Jockey Controller • Multi-Motor Controller with Alternation • EMAIL Alarm Capability • Hand/Off/Auto Selector • Manual VFD Speed Control - Dial (Potentiometer) • Labeled Field Terminal Wiring Strip • Main-Line Slow Fill Routine • HMI Password Protection • PID Set-Point Trimming via Level/Intake • Trend Data logging with upload to USB	
MECHANICAL DETAILS	
PIPE COMPOSITION:	
GALVANIZED	ASTM A53 GROUP B STEEL PIPE - HOT DIP GALVANIZED
BASE COMPOSITION:	
GALVANIZED	ASTM A36 STEEL PLATE - BREAK PRESS FOLDED - HOT DIP GALVANIZED
GENERAL DETAILS:	
• PUMP CHECK VALVE(S)	GROOVED - Valmatic
• PUMP ISOLATION VALVES(S)	GROOVE BFV
• STATION ISOLATION VALVES(S)	GROOVE BFV
• PRESSURE CLASS:	AWWA D [175 PSI]

COATING DETAILS:

Pipe Interior:	GALVANIZED
Pipe Exterior:	GALVANIZED
Skid Base:	GALVANIZED
Enclosure:	PPS GREEN

SENSORS

● Suction Pressure Gauge	1	2.5" SS Case Liquid Filled	PSI =	0-100
● Discharge Pressure Gauge	1	2.5" SS Case Liquid Filled	PSI =	0-160
● Suction Pressure Transmitter	1	IFM Stainless Steel	PSI =	0-200
● Discharge Pressure Transmitter	1	IFM Stainless Steel	PSI =	0-200

OTHER

- Intake Screen Supply Valve NO
- 3/4" Air Release Valve 5
- All bare carbon steel is coated with Polyester TGIC baked on powder coating - or as otherwise specified
- Shim Kit Provided (one per skid base)
- Hose bib connection (where applicable)
- Sample Tap for Potable Systems (where applicable)
- Manifold drains (where applicable)

ENCLOSURE DETAILS

- ENCLOSURE TYPE: MARINE GRADE ALUMINUM W/ INSULATION & HEATER
- NUMBER OF ACCESS DOORS: 4
- LID REMOVAL: LIFT OFF
- EXTERIOR SIDE FINISH: MARINE GRADE ALUMINUM
- ROOF COVERING: MARINE GRADE ALUMINUM
- ROOF GEOMETRY: GABEL SIDE to SIDE
- UNIT HEATER: 2 WATTS = 500 VOLTAGE = 208
- ALL ACCESS LOCKABLE
- REMOVABLE SIDE PANELS FOR ACCESS ON MARINE GRADE ALUMINUM ENCLOSURES
- ALL ALUMINUM SURFACES INCLUDE BAKED ON POWDER COAT FINISH

PRECISION PUMPING SYSTEMS (PPS) STANDARD TERMS AND CONDITIONS APPLY