

Application for a Permit to Use Surface Water



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503-986-0900
www.oregon.gov/OWRD

RECEIVED

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

JUN 26 2023

Applicant

NAME John Ward		PHONE (HM) 5037812932
PHONE (WK) 503-781-2932	CELL 503-781-2932	FAX
ADDRESS 13640 Fielding		
CITY Lake Oswego	STATE OR	ZIP 97034
E-MAIL * jcw091824@gmail.com		

OWRD

Organization

NAME		PHONE	FAX
ADDRESS			CELL
CITY	STATE	ZIP	E-MAIL *

Agent – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT / BUSINESS NAME		PHONE	FAX
ADDRESS			CELL
CITY	STATE	ZIP	E-MAIL *

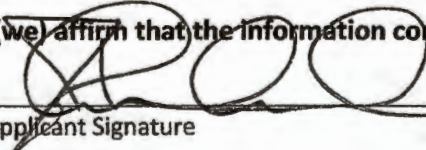
Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Paper copies of the proposed and final order documents will also be mailed.)

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot legally use water until the Water Resources Department issues a permit.
- The Department encourages all applicants to wait for a permit to be issued before beginning construction of any proposed diversion. Acceptance of this application does not guarantee a permit will be issued.
- If I begin construction prior to the issuance of a permit, I assume all risks associated with my actions.
- If I receive a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to receive water to which they are entitled.

I (we) affirm that the information contained in this application is true and accurate

	John Ward	06/20/2023 06/22/2023
Applicant Signature	Print Name and Title if applicable	Date
_____ Applicant Signature	_____ Print Name and Title if applicable	_____ Date

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

RECEIVED

JUN 26 2023

OWRD

- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

None

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

SECTION 3: SOURCE OF WATER

A. Proposed Source of Water

Provide the commonly used name of the water body from which water will be diverted, and the name of the stream or lake it flows into (if unnamed, say so), and the locations of the point of diversion (POD):

Source 1: Willamette River (mile 20)	Tributary to: Columbia
TRSQQ of POD: 2.00S-1.00E-2 (45.4268, - 122.6751)	
Source 2:	Tributary to:
TRSQQ of POD:	

If any source listed above is stored water that is authorized under a water right permit, certificate, or decree, attach a copy of the document or list the document number (for decrees, list the volume, page and/or decree name).

Water proposed to be diverted from the Willamette River will be stored water from the Willamette River Basin Project. I have applied to the BOR for stored water and have attached a copy. Water will be coming from BOR reservoirs covered under permits R-1625 and R-5363.

B. Applications to Use Stored Water

Do you, or will you, own the reservoir(s) described in Section 3A above?

Yes. No. (Enclose a copy of your written notification to the operator of the reservoir of your intent to file this application, which should have been mailed or delivered to the operator.)

If *all* sources listed in Section 3A are stored water, the Department will review your application using the expedited process provided in ORS 537.147, unless you check the box below. Please see the instruction booklet for more information.

By checking this box, you are requesting that the Department process your application under the standard process outlined in ORS 537.150 and 537.153, rather than the expedited process provided by ORS 537.147. To file an application under the standard process, you must enclose the following:

- A copy of a signed non-expired contract or other agreement with the owner of the reservoir (if not you) to impound the volume of water you propose to use in this application.
- A copy of your written agreement with the party (if any) delivering the water from the reservoir to you.

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species.

To answer the following questions, use the map provided in _____ or the link below to determine whether the proposed point of diversion (POD) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the T,R,S,QQ or the Lat/Long of a POD and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:

If you need help to determine in which area the proposed POD is located, please call the customer service desk at (503) 986-0900.

Upper Columbia - OAR 690-033-0115 thru -0130

Is the POD located in an area where the Upper Columbia Rules apply?

Yes No

If **yes, you are notified** that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes,

- I understand that the proposed use does not involve appropriation of direct streamflow during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that I will install, operate and maintain a fish screen and fish passage as listed in ORS 498.301 through 498.346, and 509.580 through 509.910, to the specifications and extent required by Oregon Department of Fish and Wildlife, prior to diversion of water under any permit issued pursuant to this application.
- I understand that the Oregon Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

Lower Columbia - OAR 690-033-0220 thru -0230

Is the POD located in an area where the Lower Columbia rules apply?

Yes No

If yes, you are notified that that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, provide the following information (the information must be provided with the application to be considered complete).

Yes No The proposed use is for more than one cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:

RECEIVED

JUN 26 2023

OWRD

Statewide - OAR 690-033-0330 thru -0340

Is the POD located in an area where the Statewide rules apply?

Yes No

If yes, the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve "no loss of essential habitat of threatened and endangered (T&E) fish species," or "no net loss of essential habitat of sensitive (S) fish species." If conditions cannot be identified that meet the standards of no loss of essential T & E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

Provide the amount of water you propose to use from each source, for each use, in cubic feet-per-second (cfs) or gallons-per-minute (gpm). If the proposed use is from storage, provide the amount in acre-feet (af):
(1 cfs equals 448.8 gpm. 1 acre-foot equals 325,851 gallons or 43,560 cubic feet)

SOURCE	USE	PERIOD OF USE	AMOUNT
Willamette river	Irrigation	April - October	2 [REDACTED] <input checked="" type="checkbox"/> af
			<input type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af
			<input type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af
			<input type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af

Please indicate the number of primary, supplemental and/or nursery acres to be irrigated.
 Primary: .3 Acres Supplemental: _____ Acres Nursery Use: _____ Acres

If supplemental acres are listed, provide the Permit or Certificate number of the underlying primary water right(s):

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: Two (2)

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households:
- If the use is **mining**, describe what is being mined and the method(s) of extraction:

SECTION 6: WATER MANAGEMENT

RECEIVED
 JUN 26 2023
 OWRD

A. Diversion and Conveyance

What equipment will you use to pump water from your source?

- Pump (give horsepower and type):
- Other means (describe):

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water.

See attached - page 9

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)

See attached - page 9

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to public uses of affected surface waters.

See attached - page 9

SECTION 7: RESOURCE PROTECTION

In granting permission to use water from a stream or lake, the state encourages, and in some instances requires, careful control of activities that may affect the waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources:

- Diversion will be screened per ODFW specifications in ORS 498.301 through 498.346 to prevent uptake of fish and other aquatic life.
Describe planned actions:

- Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is more than one acre, applicant should contact the Department of Environmental Quality to determine if a 1200C permit is required.
Describe planned actions and additional permits required for project implementation:

- Operating equipment in a water body will be managed and timed to prevent damage to aquatic life.
Describe planned actions and additional permits required for project implementation:

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.
Describe planned actions:

- List other federal and state permits or contracts to be obtained, if a water right permit is granted.

SECTION 8: PROJECT SCHEDULE

- a) Date construction will begin: **Upon Permit issuance**
- b) Date construction will be completed: **Upon Permit issuance**
- c) Date beneficial water use will begin: **Upon Permit issuance**

RECEIVED
JUN 26 2023
OWRD

SECTION 9: WITHIN A DISTRICT

- Check here if the point of diversion or place of use are located within or are served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application. (*Attach additional sheets if necessary*).

RECEIVED

JUN 26 2023

OWRD

Section 6: - Water Management

- A. Pump – 2 hp Centrifugal – (See cut sheet attached)
The proposed means of diversion is by the above-mentioned pump located on an existing dock. The conveyance method will be a 2" line running from the pump to an existing residential irrigation system located approximately 200' from the source. All work to be above grade other than the tie into the irrigation system.
- B. Application method will be high pressure residential irrigation system (10 zones run 4 days per week for 10 minutes)
- C. Conservation – The amount of water requested is needed to irrigate the landscaping on my property. The use for the water is a small irrigation system on my property. Usage is timed and will only be used when mother nature does not help. Water usage will be metered. There are no public uses of surface water in the area.

Land Use Information Form



Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-1266
 503-986-0900
 www.oregon.gov/OWRD

RECEIVED

JUN 26 2023

Applicant:

NAME John Ward		PHONE (HM) 503-781-2932	
PHONE (WK) 503-248-5524	CELL 503-781-2932	FAX	
ADDRESS 13640 Fielding			
CITY Lake Oswego	STATE OR	ZIP 97034	E-MAIL* jward@rhconst.com

OWRD

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
2S	1E	2	SE/NW	8	al Resider	<input checked="" type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	R10 Zone irrigation zone
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Clackamas County

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
 Water Right Transfer
 Permit Amendment or Groundwater Registration Modification
 Limited Water Use License
 Allocation of Conserved Water
 Exchange of Water

Source of water: Reservoir/Pond
 Groundwater
 Surface Water (some) ~~Waters~~

Estimated quantity of water needed: 2 ~~acres~~
 cubic feet per second
 ~~gallons per minute~~
 acre-feet

Intended use of water: Irrigation
 Commercial
 Industrial
 Domestic for ___ household(s)
 Municipal
 Quasi-Municipal
 Instream
 Other ___

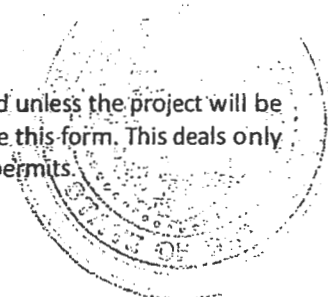
Briefly describe:

Irrigate landscaping of primary residence

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land use plan. Do not include approval for activities such as building or grading permits.



Please check the appropriate box below and provide the requested information

- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): ZM 315 - allowed accessory use
210 low and scenic table 315-1
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. (Please attach documentation of applicable land use approvals which have already been obtained. Record of Action/land use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
	RECEIVED	<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
	JUN 26 2023	<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
	OWRD	<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

Local governments are invited to express special land use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

No trenching a development review to establish access to water

NAME: <u>Lizbeth Ibanez</u>	TITLE: <u>Hanner II</u>
SIGNATURE:	DATE: <u>2/6/2023</u>
PHONE: <u>503 742 4524</u>	
GOVERNMENT ENTITY: <u>Clackamas County Planning & Zoning Division</u>	

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

RECEIVED

JUN 26 2023

OWRD

EXHIBIT "A"

Part of Lot 8, FIELDING TRACT, described as follows:

Beginning at an iron rod at the most northerly corner of said Lot 8, located in the southeast one-quarter of the northwest one-quarter of Section 2, T. 2 S., R. 1 E., W. M.; thence along the west line of Lot 8, South $22^{\circ} 35'$ West 100.0 feet to an iron rod; thence South $67^{\circ} 25'$ East, 302.16 feet to an iron rod; thence continuing South $67^{\circ} 25'$ East 82.36 feet to a point on the east line of Lot 8; thence along the east line of Lot 8, North $7^{\circ} 10'$ East 66.01 feet to a point; thence North $45^{\circ} 14'$ East 39.4 feet to the northeast corner of Lot 8; thence along the north line of Lot 8, North $67^{\circ} 25'$ West 80.23 feet to an iron rod; thence continuing along the said north line, North $67^{\circ} 25'$ West 301.91 feet to the point of beginning. Together with the following easements which shall be appurtenant to the above described real property:

A nonexclusive easement to use that strip of land between the ordinary high-water mark and the ordinary low-water mark of the Willamette River along the water frontage of Lot 7 and that portion of Lot 8 of said FIELDING TRACT retained by grantors, said easement to be used for family recreational purposes only.

Reserving to grantors a nonexclusive easement to use that strip of land between the ordinary high-water mark and the ordinary low-water mark of the Willamette River along water frontage of the above described real property, said easement to be used for family recreational purposes only and to be appurtenant to Lot 7 and that portion of Lot 8 of said FIELDING TRACT retained by grantors.

RECEIVED

JUN 26 2023

OWRD

EXHIBIT "B"

a perpetual nonexclusive easement to use a strip of land 16 feet wide the centerline of which is located as follows across the property of Grantors:

Beginning at a point on the West line of Lot 7 Fielding Tract in the Southeast quarter of the Northwest quarter of Section 2 T2S R1E W.M. Clackamas County, Oregon, which point bears S 22° 35' W 203.75 feet from an iron rod at the Northwest corner of Lot 8 Fielding Tract. From the true point of beginning thence around a curve left ($\Delta=58^{\circ} 23' 25"$, $R=69.5$, L. C.=67.80, S 76° 38' 26" E) 70.83 feet to a point; thence N 74° 09' 51" E 65.86 feet to a point; thence around a curve left ($\Delta=27^{\circ} 04' 46"$, $R=168.0$, L. C.=78.66, N 60° 37' 28" E) 79.40 feet to the terminus of the easement herein described. Said terminus bears S 22° 35' W 100.0 feet and S 67° 25' E 167.0 feet from the Northwest corner of Lot 8 Fielding Tract.

The terms of this easement are as follows:

1. Grantee his agents, independent contractors and invitees shall use the easement strip for road purposes only for access to the property described in paragraph 7 and in conjunction with such use may construct, reconstruct, maintain and repair a road thereon.

2. Grantee agrees to indemnify and defend Grantor from any loss, claim or liability to Grantor arising in any manner out of Grantee's use of the easement strip. Grantee assumes all risk arising out of its use of the easement strip and Grantor shall have no liability to Grantee or others for any condition existing thereon.

3. This easement is granted subject to all prior easements or encumbrances of record.

4. Following is a description of Grantee's property to which this easement is appurtenant:

3 (continued)

RECEIVED

JUN 26 2023

OWRD

Part of Lot 8, FIELDING TRACT, described as follows:
 Beginning at an iron rod at the most northerly corner
 of said Lot 8, located in the southeast one-quarter
 of the northwest one-quarter of Section 2, T. 2 S.,
 R. 1 E., W. M.; thence along the west line of Lot 8,
 South 22° 35' West 100.0 feet to an iron rod; thence
 South 67° 25' East, 302.16 feet to an iron rod; thence
 continuing South 67° 25' East 82.36 feet to a point on
 the east line of Lot 8; thence along the east line of
 Lot 8, North 7° 10' East 66.01 feet to a point; thence
 North 45° 14' East 39.4 feet to the northeast corner
 of Lot 8; thence along the north line of Lot 8, North
 67° 25' West 80.23 feet to an iron rod; thence continuing
 along the said north line, North 67° 25' West 301.91
 feet to the point of beginning. Together with the
 following easements which shall be appurtenant to the
 above described real property:

STATE OF OREGON }
 County of Clatsop } ss.
 I, John Kauffman, County Clerk, for the County of
 Clatsop, do hereby certify that the instrument of
 writing w. 3 received for recording in the records of
 said county is

94 MAY 18 PM 12:21



Witness my hand and seal this
 18th day of May 1994
 JOHN KAUFFMAN
 County Clerk

Recording Certificate
 CCP-12 (Rev. 6/91)

94 41447

f



Centrifugal Pumps

PERFORMANCE, PUMP & MAINTENANCE SCHEDULE PLUS FEATURES

Model CJ103

- Low lead brass or thermoplastic impellers
- Capacities to 113 GPM
- Pressures to 45 PSI
- Discharge can be rotated to any one of four positions for horizontal or vertical positioning

CJ103
1/3, 1/2, 3/4, 1,
1-1/2, 2 and 3 HP

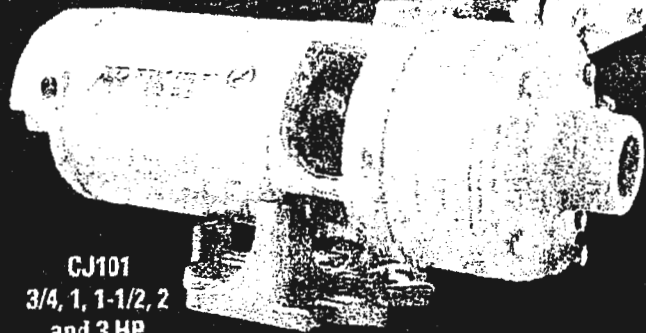


Model CJ101

- Low lead brass or thermoplastic impellers
- Capacities to 57 GPM
- Pressures to 95 PSI
- Multi-Stage for high head



CJ101, CJ103

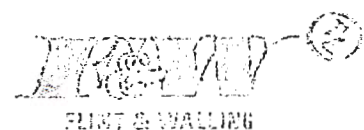


CJ101
3/4, 1, 1-1/2, 2
and 3 HP

Single or three phase

Suction lifts to 25 feet

Pressures to 95 PSI



HD Fowler Company Submittal

Sec. 10: Ln 5

Vendor: 70750

RECEIVED

JUN 26 2023

OWRD

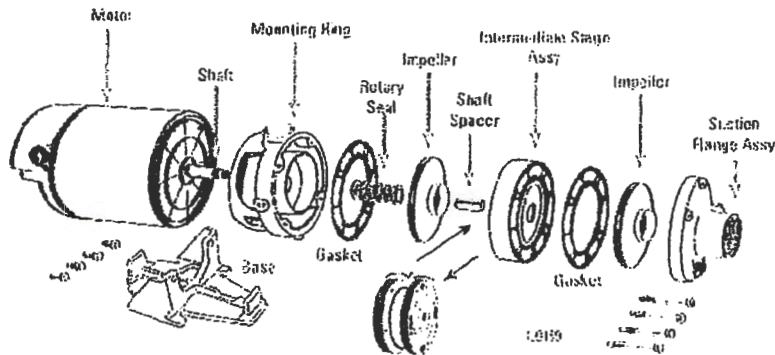
Flint & Walling Pumps

Flint & Walling single and multi stage CJ103 and CJ101 centrifugal pumps are non-self priming with suction lifts up to 25 feet. Applications include booster service, water circulation, liquid

transfer, cooling systems, jockey pump service and general service in farm, commercial and industrial applications.

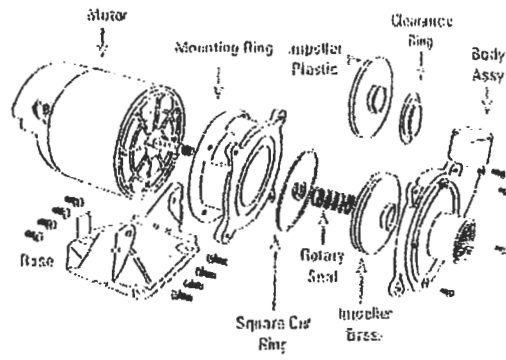
COMPONENT DESCRIPTION	CJ103 SERIES 1/3 THROUGH 3 HP SINGLE STAGE MODELS	CJ101 SERIES 3/4 THROUGH 3 HP TWO & THREE STAGE MODELS
Suction Body	Cast iron w/low lead brass clearance ring. Discharge port rotates in 90° increments. 1/4" vacuum tappings and drain plugs.	Cast iron w/low lead brass clearance ring and 1/4" vacuum tapping.
Impeller(s)	Closed low lead brass or closed thermoplastic	Closed low lead brass or closed thermoplastic
Gasket(s)	Buna-N square cut ring	Lexide gasket, Buna-N square cut ring
Intermediate Stage(s)	Not applicable	Cast iron w/brass suction and hub clearance rings
Shaft Seal	Silicon carbide, stainless steel spring, and Buna-N	Silicon carbide, stainless steel spring, and Buna-N
Mounting Ring	Cast iron body	Cast iron body, 1/4" tapping for applications requiring a pressure switch
Pump Shaft	Threaded 416 stainless steel	Threaded 416 stainless steel
Base	Rigid steel base assembly	Heavy cast iron base assembly
Motor	All CJ101 and CJ103 single phase (with ODP motors) pumps feature Flint & Walling's Service Plus 56 frame NEMA J, single or dual voltage ODP motors with permanently lubricated double ball bearing. NOTE: CJ103 pumps with TEFC motors feature purchased motors. Single or three phase options. TEFC motors available on selective models.	Totally Enclosed Fan Cooled (TEFC) motor voltage Single Phase: 1/2 through 3 HP - 115/230V 60/50HZ Three Phase: 1/2 through 3 HP - 208-230V/460V 60/50HZ

Open Drip Proof (ODP) motor voltage
 CJ101 Single Phase: 3/4 through 2 HP - 115/230V;
 3 HP - 230V, 60HZ
 CJ103 Single Phase: 1/3 through 3/4 HP - 115/230V, 60/50HZ;
 1 through 3 HP, 230V, 60HZ
 CJ101 Three Phase: 3/4 through 2 HP - 208-230V/460V, 50/60HZ
 3 HP - 208-230/460V, 60HZ
 CJ103 Three Phase: 1/2 through 3/4 HP - 208-230V/460V, 50/60HZ



CJ101 SERIES

Product may not be exactly as shown.



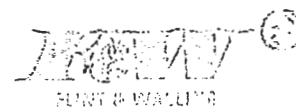
CJ103 SERIES

CJ103 1/2, 3/4 and 1 HP series also available with anodized coating on inside of castings.
 Add suffix PC to Model No. Example: CJ103101PC.

*In order to follow DOE P.E.I. requirements, single phase CJ103201 pumps will ship with a 3 HP motor.

CJ103 DOE Compliance

PUMP MODEL	Impeller Dia.	P.E.I. _a	PUMP MODEL	Impeller Dim.	P.E.I. _a	PUMP MODEL	Impeller Dia.	P.E.I. _b
CJ103101	4.879"	0.98	CJ103P151	5.050"	0.59	CJ103103T	4.870"	0.91
CJ103151	5.099"	0.99	CJ1031071	4.870"	0.59	CJ1031531	5.050"	0.93
CJ103201	5.099"	0.98	CJ103151T	5.050"	0.59	CJ103203T	5.050"	0.91
CJ103P101	5.099"	0.98	CJ103201T	5.050"	0.59			



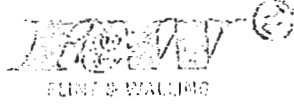
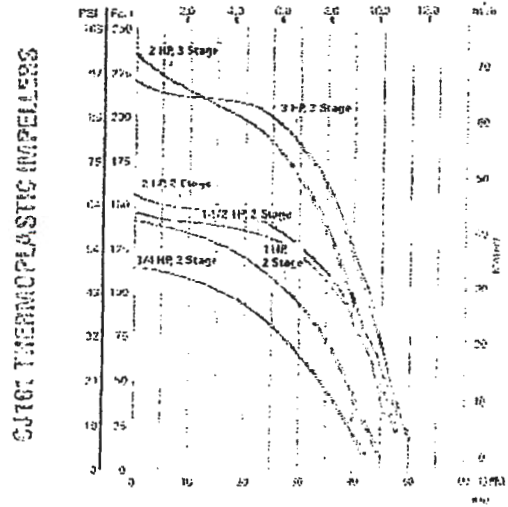
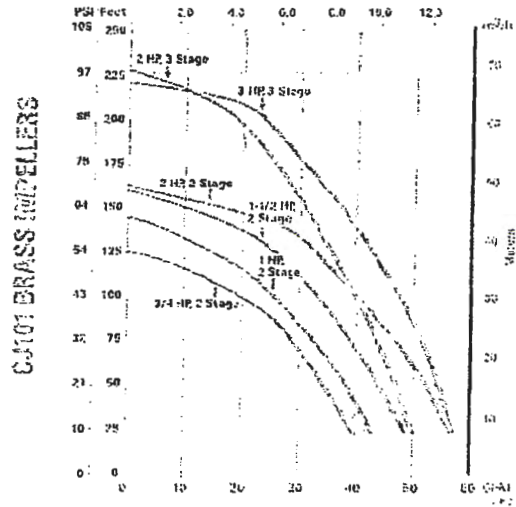
PUMP PERFORMANCE

CJ101 SERIES CENTRIFUGAL PUMPS, LOW LEAD BRASS IMPELLERS																		
MODEL NO.			HP	STAGES	LIFT FT.	Operating Pressure (PSI)										MAX. PRESS. PSI	*MAX. CASE PRESS.	*MAX. LIQUID TEMP.
1 PHASE	3 PHASE	LESS MOTOR				10	20	30	40	50	60	70	80	90	100			
CAPACITY U.S. GPM																		
CJ101B071A8	CJ101B073A8	CJ101B071A8	3/4	2	5	29	34	29	21	5					54	160psig	200°F	
CJ101B071A8	CJ101B0731A8				15	35	33	26	18									
					25	31	29	23	12									
CJ101B101A8	CJ101B103A8	CJ101B101A8	1	2	5	42	38	33	26	18				62	160psig	205°F		
CJ101B101A8	CJ101B1031A8				15	40	36	31	24	14								
					25	32	31	26	21									
CJ101B151A5	CJ101B153A8	CJ101B151A8	1 1/2	2	5	48	44	39	34	27	11			69	160psig	200°F		
CJ101B151A8	CJ101B1531A8				15	44	42	37	31	24	18							
					25	31	33	32	29	20								
CJ101B201A8	CJ101B203A8	CJ101B201A8	2	2	5	56	52	47	41	34	24			70	160psig	200°F		
CJ101B201A8	CJ101B2031A8				15	50	49	45	39	31	19							
					25	37	36	35	34	27								
CJ101C201A8	CJ101C203A8		2	3	5	49	47	43	40	35	32	28	22	12	98	160psig	200°F	
CJ101C201A8	CJ101C2031A8				15	45	44	42	39	35	31	26	19					
					25	35	34	33	32	31	29	23	15					
CJ101C301A8	CJ101C303A8 Δ		3	3	5	58	54	51	48	44	39	33	27	13	35	160psig	250°F	
CJ101C301A8	CJ101C3031A8				15	50	49	48	46	42	37	31	24					
					25	37	36	35	35	34	33	29	20					

Δ Less than 50% US content

CJ101 SERIES CENTRIFUGAL PUMPS, PLASTIC IMPELLERS																		
MODEL NO.			HP	STAGES	LIFT FT.	Operating Pressure (PSI)										MAX. PRESS. PSI	*MAX. CASE PRESS.	*MAX. LIQUID TEMP.
1 PHASE	3 PHASE					10	20	30	40	50	60	70	80	90	100			
CAPACITY U.S. GPM																		
CJ101P071	CJ101P073		3/4	2	5	41	35	29	20						43	150psig	160°F	
					15	38	32	26	13									
					25	32	29	22										
CJ101P101	CJ101P103		1	2	5	45	40	35	28	20					69	160psig	160°F	
					15	42	39	33	26	15								
					25	35	33	27										
CJ101P151	CJ101P153		1 1/2	2	5	54	50	44	38	28					51	150psig	160°F	
					15	48	46	42	35	23								
					25	37	35	33	28	17								
CJ101P201	CJ101P203		2	2	5	56	52	47	41	34	23				67	150psig	160°F	
					15	49	47	45	39	30	17							
					25	37	36	33	32	26								
CJ101D201	CJ101D210		2	3	5	44	44	41	41	37	32	28	22	16	101	150psig	160°F	
					15	36	36	36	36	35	30	25	20	11				
					25	26	26	24	24	24	22	20	15					
					5	54	52	50	47	44	39	33	25	15				
					15	47	46	45	42	37	30	22	11		92	150psig	160°F	
					25	35	36	35	35	33	31	27	19					

*Do not exceed the maximum case pressure and maximum liquid temperature rating of the pump. Performance shown for 60Hz models. 50 Hz models also available. Suction and Discharge Tappings 1-1/2" X 1-1/4"



HD Fowler Company Submittal

Sec. 10: Ln 5

Vendor: 70750

RECEIVED

JUN 26 2023

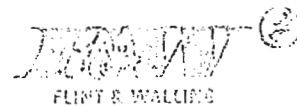
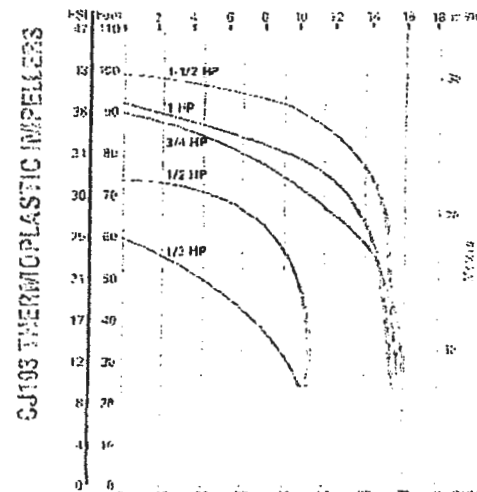
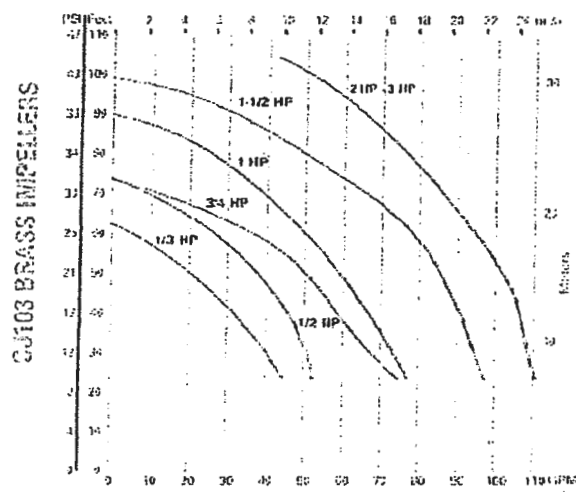
OWRD

PUMP PERFORMANCE

CJ103 SERIES CENTRIFUGAL PUMPS, LOW LEAD BRASS IMPELLERS																
MODEL NO.		HP	STAGES	LIFT FT.	CAPACITY U.S. GPM						MAX. PRESS. PSI	*MAX. CASE PRESS.	*MAX. LIQUID TEMP.			
1 PHASE	3 PHASE				1	2	3	4	5	6				7	8	
	CJ10301A0	1/3	1	5	42	34	21						27	100psig	200°F	
				15	36	25										
				25	25											
	CJ103051A0	1/2	1	5	50	47	37	25								
	CJ103051TA6			15	43	40	29	9						32	100psig	200°F
				25	33	30	15									
	CJ103071	3/4	1	5	71	62	51	36	11							
	CJ103071T	CJ103073		15	66	54	40	19						32	100psig	200°F
		CJ103073T		25	57	43	25									
	CJ103101	1	1	5	76	69	61	50	36	16						
	CJ103101T	CJ103103T		15	73	65	51	41	24					39	100psig	200°F
				25	66	57	45	29								
	CJ103151	1 1/2	1	5	94	88	80	70	59	44	18					
	CJ103151T	CJ103153T		15	92	85	75	63	49	27				43	100psig	200°F
				25	74	72	65	57	34							
	CJ103201	2	1	5	103	103	93	86	75	61	39					
				15	103	103	91	82	67	45				44	100psig	200°F
	CJ103201T	CJ103203T		25	90	69	65	71	51							

CJ103 SERIES CENTRIFUGAL PUMPS, PLASTIC IMPELLERS																
MODEL NO.		HP	STAGES	LIFT FT.	CAPACITY U.S. GPM						MAX. PRESS. PSI	*MAX. CASE PRESS.	*MAX. LIQUID TEMP.			
1 PHASE	3 PHASE				1	2	3	4	5	6				7	8	
	CJ103P031	1/3	1	5	43	35	21									
				15	35	24								26	100psig	160°F
				25	26											
	CJ103P051	1/2	1	5	45	45	44	36	19							
	CJ103P051	CJ103P053		15	41	41	36	24						32	100psig	160°F
				25	31	29	25									
	CJ103P071	3/4	1	5	69	68	64	57	42	20						
	CJ103P071	CJ103P073		15	64	62	57	46	28					33	100psig	160°F
				25	49	48	45	31								
	CJ103P101	1	1	5	67	65	62	62	51	35						
	CJ103P101			15	61	59	53	55	41					40	100psig	160°F
				25	47	46	45	43	23							
	CJ103P151	1 1/2	1	5	65	67	66	65	61	52	31					
	CJ103P151			15	62	61	60	59	55	39				44	100psig	160°F
				25	48	47	46	45	41							

*Do not exceed the maximum case pressure and maximum liquid temperature rating of the pump. Performance shown for 60Hz models. 50 Hz models also available. Models with suffix T denotes TFC motor. All other models utilize ODP motors. Suction and Discharge Tapings 1-1/2" X 1-1/4"



RECEIVED

JUN 26 2023

OWRD



CONTRACT DATA SHEET

1. Applicant Information:

A. Landowners

- 1) Name of landowner(s): John Ward
- 2) Address: 13640 Fielding - Lake Oswego, Oregon 97034
- 3) Mailing Address (if different): _____
- 4) Do you own all of the land where you propose to divert and make use of water? Yes

B. Water User Organizations (Such as Irrigation Districts, Ditch/Canal Companies, Water Control Districts, Water User Associations & Cooperatives, Irrigation Improvement Districts, and similar entities organized according to State Law)

- 1) Name of Organization: _____
- 2) Name & Title of Applicant: _____
- 3) Mailing Address of Organization: _____
- 4) Please provide the following information:
 - (a) A description of the area served by the organization (location, total acreage, # of water users, prominent crops, etc.)
 - (b) Copy of organization by-laws, articles of incorporation (if applicable), board resolution authorizing the applicant to represent and bind the organization under contract with the United States.

- 2. Source of Water (name of stream, river): Willamette River
- 3. Proposed point of diversion: 2350 feet South and 1310 feet East of corner of Section 2 Township 2S, Range 1E, Willamette Meridian.
- 4. A water right permit to divert storage water is required. Application or file number with OWRD if you have applied for a permit to divert storage water: Application sent to OWRD, no number given yet
- 5. Include a map of lands and diversion points. **[Same as required by Oregon Water Resources Department (OWRD) for application for surface/ground water permit].**
- 6. Do you currently hold a right to natural flows for irrigating the property described herein?
 If yes, what is/are the priority date(s)? No
- 7. Total quantity of water from storage requested: 2 acre-feet.
- 8. Location of land to be irrigated in each 40-acre tract:

Township	Range	Section	40-Acre Tract (1/4) (1/4)	No. of Acres	Type of Irrigated Crop <small>Please note that Cannabis is not an authorized crop Under Reclamation's Contracting Program. See PEC P16</small>
2S	1E	2	Lot 7 - .2A	.8	Lawn, trees and plants

Total number of Acres: .8



9. What is the present use of the land identified above? [farming; idle (fallow cultivated land); native (appears never to have been tilled, walked on, driven on); planted pasture or other (please specify)].

Residential Property with house and approximately 1/3rd of an acre of landscaping

10. Is the land identified above currently being irrigated?

If yes, what is the source? (natural flows, wells, etc.)

Yes, irrigated with City supplied water

11. Diversion must be screened to prevent uptake of fish and other aquatic life. Describe plan(s) to comply with State/Federal fish standards:

Diversion will be screened per OWRD standards required in the permit process

12. Telephone number where you can be reached during the day: 503-781-2932

Sign and Date: _____
john ward
Digitally signed by john ward
DN: C=US, E=jward@rhoconst.com,
O=R&H Construction, CN=john ward
Date: 2023.06.14 19:59:01-07'00'

E-mail completed form and associated information to: jkelly@usbr.gov Any questions, please contact Joy Kelley at (986) 999-8984

Please send contract administration fee directly to: CPN Regional Office, Attn: CPN-6323, 1150 N. Curtis Road, Boise, ID 83706

Before returning the completed Contract Data Sheet to the address provided above, please check that you have done the following:

- ANSWERED ALL QUESTIONS COMPLETELY
- ATTACHED AND IDENTIFIED ADDITIONAL SHEET(S) AS NECESSARY
- ATTACHED THE REQUIRED MAP
- SUBMIT PAYMENT FOR THE APPROPRIATE CONTRACT ADMINISTRATION FEE 1., MAKE CHECK PAYABLE TO THE U.S. BUREAU OF RECLAMATION

¹The minimum contract administration fee for most applications is \$100. However, from time to time this fee may be revised to cover the costs of the United States. We recommend you contact this office to verify the current minimum contract administration fee. In the event that the costs to the United States of evaluating the application are in excess of the minimum contract administration fee, an estimate of the reimbursable costs for which advance payment is required will be provided to the applicant.

Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- SECTION 1: Applicant Information and Signature
- SECTION 2: Property Ownership
- SECTION 3: Source of Water
- SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- SECTION 5: Water Use
- SECTION 6: Water Management
- SECTION 7: Resource Protection
- SECTION 8: Project Schedule
- SECTION 9: Within a District
- SECTION 10: Remarks

RECEIVED

JUN 26 2023

OWRD

Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.
- Fees - Amount enclosed: \$ 692 (610⁰⁰ due AT PERMIT ISSUANCE)
See the Department's Fee Schedule at OR call (503) 986-0900.
- Map that includes the following items:
 - Permanent quality and drawn in ink
 - Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - North Directional Symbol
 - Township, Range, Section, Quarter/Quarter, Tax Lots
 - Reference corner on map
 - Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)