

RESIDENTIAL WATER METER SIZING WORKSHEET

MINIMUM METER SIZE IS BASED ON PLUMBING FIXTURE UNITS, SIZE OF SERVICE, AND PRESSURE.

To determine the minimum meter size allowable under the *Oregon Plumbing Specialty Code*, the total number of fixture units on the premises must first be determined. Directions to the applicant:

1. Complete the form below.
2. Insert the quantity of each type of fixture on your premises. Leave the *Total* column blank.
3. Sign and date on the signature line.

Site address _____

Applicant name _____

Number of floors in structure _____

Will a fire sprinkler system be connected to the metered supply? Yes No

Applicant's preferred meter size: ¾-inch 1-inch

FIXTURES	QUANTITY	MULTIPLIER	TOTAL (Office Use Only)
Toilets		2.5	
Baths		4.0	
Shower only, number of heads		2.0	
Lavatory/sinks		1.0	
Kitchen sinks		1.5	
Dishwashers		1.5	
Laundry/mop sinks		1.5	
Clothes washers		4.0	
Urinals		2.0	
First hose bibb	1	2.5	2.5
Additional hose bibbs (minimum of 1)		1.0	
Total Fixture Units			
Static PSI			

Applicant's signature affirming above quantities match the plans submitted for review.

Applicant _____

Date _____



Public Works Department

555 Liberty Street SE, Room 325

Salem OR 97301-3513

Phone 503-588-6211 Fax 503-588-6025

Note: Meter size does not represent water service line downstream of meter. Please reference the table on the back of this form to size the private-side water line.

PRIVATE-SIDE WATER LINE SIZING TABLE

		Meter and Street Service (Inches)	Building Supply and Branches (Inches)	TOTAL FIXTURE UNITS														
				¹ Available static pressure after head loss. ² Building supply, not less than ¾ of an inch (20 mm) nominal size.														
PRESSURE RANGE	30 to 45 psi (207 to 310 kPa)¹	¾	½ ²	6	5	4	3	2	1	1	1	0	0	0	0	0	0	
		¾	¾	16	16	14	12	9	6	5	5	4	4	3	2	2	2	1
		¾	1	29	25	23	21	17	15	13	12	10	8	6	6	6	6	6
		1	1	36	31	27	25	20	17	15	13	12	10	8	6	6	6	6
		¾	1¼	36	33	31	28	24	23	21	19	17	16	13	12	12	11	11
		1	1¼	54	47	42	38	32	28	25	23	19	17	17	12	12	11	11
		1½	1¼	78	68	57	48	38	32	28	25	21	18	15	12	12	11	11
		1	1½	85	84	79	65	56	48	43	38	32	28	26	22	21	20	20
		1½	1½	150	124	105	91	70	57	49	45	36	31	26	23	21	20	20
		2	1½	151	129	129	110	80	64	53	46	38	32	27	23	21	20	20
		1	2	85	85	85	85	85	85	82	80	66	61	57	52	49	46	43
		1½	2	220	205	190	176	155	138	127	120	104	85	70	61	57	54	51
		2	2	370	327	292	265	217	185	164	147	124	96	70	61	57	54	51
		2	2½	445	418	390	370	330	300	280	265	240	220	198	175	158	143	133
		46 to 60 psi (317 to 414 kPa)¹	¾	½ ²	7	7	6	5	4	3	2	2	1	1	1	0	0	0
¾	¾		20	20	19	17	14	11	9	8	6	5	4	4	3	3	3	
¾	1		39	39	36	33	28	23	21	19	17	14	12	10	9	8	8	
1	1		39	39	39	36	30	25	23	20	18	15	12	10	9	8	8	
¾	1¼		39	39	39	39	39	39	34	32	27	25	22	19	19	17	16	
1	1¼		78	78	76	67	52	44	39	36	30	27	24	20	19	17	16	
1½	1¼		78	78	78	78	66	52	44	39	33	29	24	20	19	17	16	
1	1½		85	85	85	85	85	85	80	67	55	49	41	37	34	32	30	
1½	1½		151	151	151	151	128	105	90	78	62	52	42	38	35	32	30	
2	1½		151	151	151	151	150	117	98	84	67	55	42	38	35	32	30	
1	2		85	85	85	85	85	85	85	85	85	85	85	85	85	83	80	
1½	2		370	370	340	318	272	240	220	198	170	150	135	123	110	102	94	
2	2		370	370	370	370	368	318	280	250	205	165	142	123	110	102	94	
2	2½		654	640	610	580	535	500	470	440	400	365	335	315	285	267	250	
Over 60 psi (414 kPa)¹	¾		½ ²	7	7	7	6	5	4	3	3	2	1	1	1	1	1	0
	¾	¾	20	20	20	20	17	13	11	10	8	7	6	6	5	4	4	
	¾	1	39	39	39	39	35	30	27	24	21	17	14	13	12	12	11	
	1	1	39	39	39	39	38	32	29	26	22	18	14	13	12	12	11	
	¾	1¼	39	39	39	39	39	39	39	39	34	28	26	25	23	22	21	
	1	1¼	78	78	78	78	74	62	53	47	39	31	26	25	23	22	21	
	1½	1¼	78	78	78	78	78	74	65	54	43	34	26	25	23	22	21	
	1	1½	85	85	85	85	85	85	85	85	81	64	51	48	46	43	40	
	1½	1½	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40	
	2	1½	151	151	151	151	151	151	142	122	98	82	64	51	46	43	40	
	1	2	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
	1½	2	370	370	370	370	360	335	305	282	244	212	187	172	153	141	129	
	2	2	370	370	370	370	370	370	370	340	288	245	204	172	153	141	129	
	2	2½	654	654	654	654	654	650	610	570	510	460	430	404	380	356	329	
	Maximum Allowable Length (Feet)				40	60	80	100	150	200	250	300	400	500	600	700	800	900



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