

22 11 Facility Water Distribution

22 11 19 – Domestic Water Piping Specialties

22 11 19.26 Pressure Regulators

		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
3540	4" diameter	Q-5	5	3.200	Ea.	13,400	203		13,603	15,000

22 11 19.38 Water Supply Meters

0010	WATER SUPPLY METERS									
2000	Domestic/commercial, bronze									
2020	Threaded									
2060	5/8" diameter, to 20 GPM	1 Plum	16	.500	Ea.	148	35		183	215
2080	3/4" diameter, to 30 GPM		14	.571		370	40		410	465
2100	1" diameter, to 50 GPM	↓	12	.667	↓	500	46.50		546.50	620
2300	Threaded/flanged									
2340	1-1/2" diameter, to 100 GPM	1 Plum	8	1	Ea.	1,150	70		1,220	1,350
2360	2" diameter, to 160 GPM	"	6	1.333	"	1,650	93		1,743	1,975
2600	Flanged, compound									
2640	3" diameter, 320 GPM	Q-1	3	5.333	Ea.	1,750	335		2,085	2,425
2660	4" diameter, to 500 GPM		1.50	10.667		2,600	670		3,270	3,875
2680	6" diameter, to 1,000 GPM		1	16		6,675	1,000		7,675	8,825
2700	8" diameter, to 1,800 GPM	↓	.80	20	↓	7,625	1,250		8,875	10,300

22 11 19.42 Backflow Preventers

0010	BACKFLOW PREVENTERS , Includes valves									
0020	and four test cocks, corrosion resistant, automatic operation									
4000	Reduced pressure principle									
4100	Threaded, bronze, valves are ball									
4120	3/4" pipe size	1 Plum	16	.500	Ea.	560	35		595	665
4140	1" pipe size		14	.571		595	40		635	715
4150	1-1/4" pipe size		12	.667		1,450	46.50		1,496.50	1,675
4160	1-1/2" pipe size		10	.800		1,200	56		1,256	1,400
4180	2" pipe size	↓	7	1.143	↓	1,925	80		2,005	2,225
5000	Flanged, bronze, valves are OS&Y									
5060	2-1/2" pipe size	Q-1	5	3.200	Ea.	6,475	201		6,676	7,425
5080	3" pipe size		4.50	3.556		7,100	223		7,323	8,150
5100	4" pipe size	↓	3	5.333		9,100	335		9,435	10,500
5120	6" pipe size	Q-2	3	8	↓	12,900	520		13,420	14,900
5600	Flanged, iron, valves are OS&Y									
5660	2-1/2" pipe size	Q-1	5	3.200	Ea.	3,225	201		3,426	3,850
5680	3" pipe size		4.50	3.556		3,325	223		3,548	3,975
5700	4" pipe size	↓	3	5.333		4,300	335		4,635	5,225
5720	6" pipe size	Q-2	3	8		6,350	520		6,870	7,775
5740	8" pipe size		2	12		12,600	780		13,380	15,000
5760	10" pipe size	↓	1	24	↓	14,900	1,575		16,475	18,600

22 11 19.50 Vacuum Breakers

0010	VACUUM BREAKERS									
0013	See also backflow preventers Section 22 11 19.42									
1000	Anti-siphon continuous pressure type									
1010	Max. 150 psi - 210°F									
1020	Bronze body									
1030	1/2" size	1 Stpi	24	.333	Ea.	274	23.50		297.50	335
1040	3/4" size		20	.400		274	28		302	340
1050	1" size		19	.421		280	29.50		309.50	355
1060	1-1/4" size		15	.533		555	37.50		592.50	670
1070	1-1/2" size		13	.615		675	43.50		718.50	805
1080	2" size	↓	11	.727	↓	440	51		491	555
1200	Max. 125 psi with atmospheric vent									
1210	Brass, in-line construction									