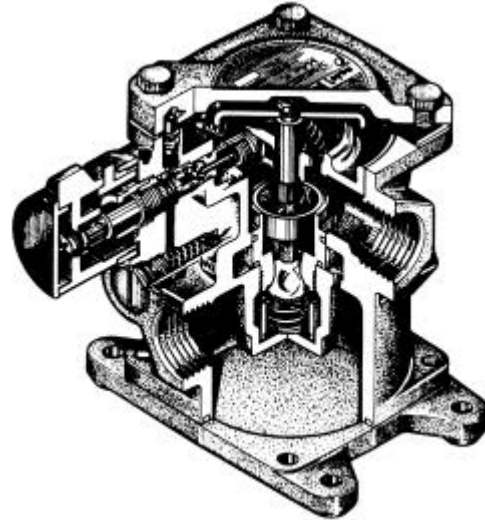


Steam – Water – Mixing Valve

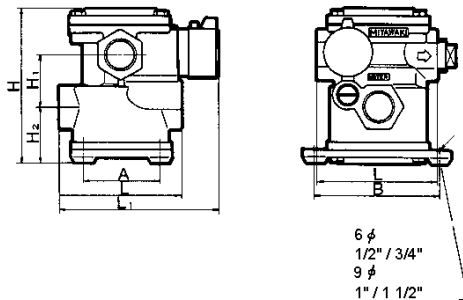
Features

1. Temperature is thermostatically controlled.
2. Can be installed where steam and water are available.
3. Produces hot water quickly and efficiently.
4. Inline repairability.
5. Nickel plated finish.
6. Body material: Brass

MX 1N



Operating Conditions & Dimensions



Model	Connec- tion	Size	Max. Operating Pressure Steam & Water		Max. Operating Temper. (Steam)		Dimension mm (inch)						Weight		
			MPa	psig	°C	°F	L	L ₁	H	H ₁	H ₂	A	B	kg	lb
MX1N	screwed Rc, NPT	1/2"	1,0	145	185	365	100	138	134	43	47	62	102	3,9	8.6
		(3.9)					(5.4)	(5.4)	(1.7)	(1.9)	(2.4)	(4.0)			
		3/4"					140	179	168	57	51	86	147	8,6	18.9
		(5.5)					(7.0)	(6.6)	(2.2)	(2.0)	(3.4)	(5.8)			
1"	160	189	197	70	60			14,1	31.0						
		1 1/2"					(6.3)	(7.4)	(7.8)	(2.8)	(2.4)				

Max. Pressure Ratio of steam to water (or water to steam) : 3 : 1

Max. Adjustable Temperature: 93°C (depending on the pressure ratio – details see hot water capacity flow charts)

Hot Water Capacity

Ratio Steam Pressure : Cold Water Pressure = 1 : 1
Cold Water Temperature 15°C (59°F)

Size (in)	Pressure (Mpa)		Hot Water Flow Amount (l/min)											
	Steam	Cold Water	40°C		50°C		60°C		70°C		80°C		90°C	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	0,1	0,1	3	12	3	12	3	13	5	13	5	11	5	10
	0,2	0,2	3	20	3	21	3	21	5	20	5	17	10	14
	0,3	0,3	6	25	6	25	6	26	9	26	9	22	13	19
	0,4	0,4	6	29	6	29	6	29	12	30	12	28	17	24
	0,5	0,5	7	32	7	32	8	33	13	34	18	34	29	29
	0,6	0,6	7	35	7	36	16	36	17	37	27	37	34	34
	0,7	0,7	8	38	9	38	21	39	21	40	37	40	38	38
3/4"	0,1	0,1	5	22	5	23	5	20	8	17	8	14	9	12
	0,2	0,2	5	32	5	32	5	31	8	25	8	21	13	18
	0,3	0,3	8	39	8	39	8	40	10	34	10	28	25	25
	0,4	0,4	9	45	9	45	9	46	14	42	20	36	31	31
	0,5	0,5	11	50	11	51	11	52	15	51	23	43	37	37
	0,6	0,6	12	55	12	55	23	56	23	57	42	50	43	43
	0,7	0,7	14	59	15	60	44	61	45	62	56	56	49	49
1"	0,1	0,1	30	54	30	54	29	47	23	38	20	32	17	28
	0,2	0,2	38	76	39	77	48	70	37	57	31	49	27	42
	0,3	0,3	48	93	48	94	65	94	52	77	44	65	38	56
	0,4	0,4	54	107	55	109	66	111	67	97	57	82	49	71
	0,5	0,5	60	120	61	122	67	124	82	116	69	98	60	85
	0,6	0,6	66	131	67	133	68	135	97	136	82	115	71	100
	0,7	0,7	71	142	72	144	73	146	107	149	93	130	81	112
1 1/2"	0,1	0,1	91	140	83	116	64	90	53	74	45	63	39	54
	0,2	0,2	116	197	137	175	100	136	82	112	69	94	60	82
	0,3	0,3	136	242	170	235	136	183	112	149	94	126	82	110
	0,4	0,4	153	279	170	284	172	229	141	188	119	159	103	138
	0,5	0,5	171	312	173	317	210	276	172	226	146	191	126	166

Size (in)	Pressure (psig)		Hot Water Flow Amount (US GPM)											
	Steam	Cold Water	104°F		122°F		140°F		158°F		176°F		194°F	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	15	15	0.8	3.2	0.8	3.2	0.8	3.4	1.3	3.4	1.3	2.9	1.3	2.6
	29	29	0.8	5.3	0.8	5.5	0.8	5.5	1.3	5.3	1.3	4.5	2.6	3.7
	44	44	1.6	6.6	1.6	6.6	1.6	6.9	2.4	6.9	2.4	5.8	3.4	5.0
	58	58	1.6	7.7	1.6	7.7	1.6	7.7	3.2	7.9	3.2	7.4	4.5	6.3
	73	73	1.8	8.4	1.8	8.4	2.1	8.7	3.4	9.0	4.8	9.0	7.7	7.7
	87	87	1.8	9.2	1.8	9.5	4.2	9.5	4.5	9.8	7.1	9.8	9.0	9.0
	102	102	2.1	10.0	2.4	10.0	5.5	10.3	5.5	10.5	9.8	10.5	10.0	10.0
3/4"	15	15	1.3	5.8	1.3	6.1	1.3	5.3	2.1	4.5	2.1	3.7	2.4	3.2
	29	29	1.3	8.4	1.3	8.4	1.3	8.2	2.1	6.6	2.1	5.5	3.4	4.7
	44	44	2.1	10.3	2.1	10.3	2.1	10.5	2.6	9.0	2.6	7.4	6.6	6.6
	58	58	2.4	11.9	2.4	11.9	2.4	12.1	3.7	11.1	5.3	9.5	8.2	8.2
	73	73	2.9	13.2	2.9	13.5	2.9	13.7	4.0	13.5	6.1	11.4	9.8	9.8
	87	87	3.2	14.5	3.2	14.5	6.1	14.8	6.1	15.0	11.1	13.2	11.3	11.3
	102	102	3.7	15.6	4.0	15.8	11.6	16.1	11.9	16.4	14.8	14.8	12.9	12.9
1"	15	15	7.9	14.3	7.9	14.3	7.7	12.4	6.1	10.0	5.3	8.4	4.5	7.4
	29	29	10.0	20.1	10.3	20.3	12.7	18.5	9.8	15.0	8.2	13.0	7.1	11.1
	44	44	12.7	24.6	12.7	24.8	17.2	24.8	13.7	20.3	11.6	17.2	10.0	14.8
	58	58	14.3	28.2	14.5	28.8	17.4	29.3	17.7	25.6	15.0	21.6	12.9	18.7
	73	73	15.9	31.7	16.1	32.2	17.7	33.1	21.6	30.9	18.2	26.1	15.8	22.7
	87	87	17.4	34.6	17.7	35.1	17.9	35.6	25.6	35.9	21.6	30.4	18.7	26.4
	102	102	18.7	37.5	19.0	38.0	19.3	38.5	28.2	39.3	24.5	34.3	21.4	29.6
1 1/2"	15	15	24.0	37.0	21.9	30.6	16.9	23.8	14.0	19.5	11.9	16.6	10.3	14.3
	29	29	30.6	52.0	36.2	46.2	26.4	35.9	21.6	29.6	18.2	24.8	15.8	21.6
	44	44	35.9	63.9	44.9	62.0	35.9	48.3	29.6	39.3	24.8	33.3	21.6	29.0
	58	58	40.4	73.7	44.9	75.0	45.4	60.4	37.2	49.6	31.4	42.0	27.2	36.4
	73	73	45.1	82.4	45.7	83.7	55.4	72.9	45.4	59.7	38.5	50.4	33.3	43.8

Maximum hot water temperatures for the mixing ratio 1 : 1

All sizes: 93°C (199°F)

Hot Water Capacity

Ratio Steam Pressure : Cold Water Pressure = 1 : 2
 Cold Water Temperature 15°C (59°F)

Size (in)	Pressure (Mpa)		Hot Water Flow Amount (l/min)															
	Steam	Cold Water	40°C		50°C		60°C		65°C		70°C		75°C		80°C		90°C	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	0,05	0,1	9	12	11	12	8	10	7	9	7	8	8	8				
	0,1	0,2	16	20	14	20	11	16	11	14	12	13	12	12				
	0,2	0,4	23	29	20	29	15	24	14	22	15	20	16	18				
	0,3	0,6	28	35	28	36	27	32	25	29	22	26	22	24				
	0,35	0,7	31	38	31	38	31	36	28	33	25	30	25	27				
3/4"	0,05	0,1	16	22	13	17	10	13	12	12								
	0,1	0,2	22	32	18	26	18	20	18	18								
	0,2	0,4	31	45	24	39	23	31	24	28								
	0,3	0,6	40	55	34	53	33	41	33	37								
	0,35	0,7	42	59	39	59	38	46	37	42								
1"	0,05	0,1	36	54	26	38	30	30	26	26	24	24						
	0,1	0,2	51	76	37	60	32	47	37	41	38	38						
	0,2	0,4	64	107	46	90	43	70	45	62	48	57						
	0,3	0,6	102	131	74	121	57	94	56	85	55	77						
	0,35	0,7	114	142	89	136	69	106	65	95	60	87						
1 1/2"	0,05	0,1	70	104	50	74	39	58	35	51	32	47	28	43	27	40	23	35
	0,1	0,2	98	163	70	116	55	90	49	83	45	74	41	68	38	63	33	54
	0,2	0,4	141	245	101	175	79	136	70	122	64	112	60	100	54	94	47	82
	0,25	0,5	173	287	123	205	96	159	88	144	79	130	73	120	66	110	58	96

Size (in)	Pressure (psig)		Hot Water Flow Amount (US GPM)															
	Steam	Cold Water	104°F		122°F		140°F		149°F		158°F		167°F		176°F		194°F	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	7	14	2.4	3.2	2.9	3.2	2.1	2.7	1.9	2.4	1.9	2.1	2.1	2.1				
	15	30	4.3	5.3	3.7	5.3	2.9	4.3	2.9	3.7	3.2	3.5	3.2	3.2				
	29	58	6.1	7.7	5.3	7.7	4.0	6.4	3.7	5.9	4.0	5.3	4.3	4.8				
	44	88	7.5	9.3	7.5	9.6	7.2	8.5	6.7	7.7	5.9	6.9	5.9	6.4				
	51	102	8.3	10.1	8.3	10.1	8.3	9.6	7.5	8.8	6.7	8.0	6.7	7.2				
3/4"	7	14	4.3	5.9	3.5	4.5	2.7	3.5	3.2	3.2								
	15	30	5.9	8.5	4.8	6.9	4.8	5.3	4.8	4.8								
	29	58	8.3	12.0	6.4	10.4	6.1	8.3	6.4	7.5								
	44	88	10.7	14.7	9.1	14.1	8.8	10.9	8.8	9.9								
	51	102	11.2	15.7	10.4	15.7	10.1	12.3	9.9	11.2								
1"	7	14	9.6	14.4	6.9	10.1	9.0	8.0	6.9	6.9	6.4	6.4						
	15	30	13.6	20.3	9.9	16.0	8.5	12.5	9.8	10.9	10.1	10.1						
	29	58	17.1	28.5	12.3	24.0	11.5	18.7	12.0	16.5	12.8	15.2						
	44	88	27.2	34.9	19.7	32.3	15.2	25.1	14.9	22.6	14.7	20.5						
	51	102	30.4	37.9	23.7	36.3	18.4	28.3	17.3	25.3	16.0	23.2						
1 1/2"	7	14	18.7	27.7	13.3	19.7	10.4	15.5	9.3	13.6	8.5	12.5	7.4	11.4	7.2	10.7	6.1	9.3
	15	30	26.1	43.5	18.7	30.9	14.7	24.0	13.0	22.1	12.0	19.7	10.9	18.1	10.1	16.8	8.8	14.4
	29	58	37.6	65.3	26.9	46.7	21.1	36.3	18.6	32.5	17.1	29.9	16.0	26.6	14.4	25.1	12.5	21.9
	36	72	46.1	76.5	32.8	54.7	25.6	42.4	23.4	38.4	21.1	34.7	19.4	32.0	17.6	29.3	15.5	25.6

Maximum hot water temperatures for the mixing ratio 1 : 2

- 1/2" : Cold Water Temperature + 60°C (+108°F)
- 3/4" : Cold Water Temperature + 50°C (+90°F)
- 1" : Cold Water Temperature + 55°C (+99°F)
- 1 1/2" : 93°C (199°F)

Hot Water Capacity

Ratio Steam Pressure : Cold Water Pressure = 1 : 3
 Cold Water Temperature 15°C (59°F)

Size (in)	Pressure (Mpa)		Hot Water Flow Amount (l/min)															
	Steam	Cold Water	40°C		50°C		55°C		60°C		65°C		70°C		80°C		90°C	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	0,035	0,105	12	12	9	11	9	9	8	8	7	7						
	0,5	0,15	14	16	11	13	10	11	9	10	9	9						
	0,1	0,3	21	25	15	20	14	18	15	16	14	14						
	0,2	0,6	32	35	27	31	23	27	22	24	21	22						
	0,23	0,69	35	37	30	34	26	30	25	26	23	24						
3/4"	0,035	0,105	18	19	14	14	12	12										
	0,05	0,15	19	23	15	17	15	15										
	0,1	0,3	26	36	22	26	23	23										
	0,2	0,6	42	55	34	39	31	34										
	0,23	0,69	47	59	37	43	33	38										
1"	0,035	0,105	34	44	27	31	26	26	24	24								
	0,05	0,15	40	54	31	38	31	33	30	30								
	0,1	0,3	50	84	42	60	45	52	47	47								
	0,2	0,6	80	126	60	90	62	78	63	70								
	0,23	0,69	91	140	65	100	66	87	68	78								
1 1/2"	0,035	0,105	73	84	52	60	47	50	40	47	36	42	33	38	28	32	28	28
	0,05	0,15	84	104	60	74	54	66	47	58	43	52	38	47	32	40	32	35
	0,1	0,3	113	163	80	116	72	100	63	90	58	80	51	74	43	63	43	54
	0,2	0,6	171	220	122	157	110	135	95	122	87	110	78	100	66	85	57	73
	0,23	0,69	171	220	122	157	110	135	95	122	87	110	78	100	66	85	57	73

Size (in)	Pressure (psig)		Hot Water Flow Amount (US GPM)															
	Steam	Cold Water	104°F		122°F		131°F		140°F		149°F		158°F		176°F		194°F	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	5	15	3.2	3.2	2.4	2.9	2.4	2.4	2.1	2.1	1.9	1.9						
	73	219	3.7	4.3	2.9	3.5	2.7	2.9	2.4	2.7	2.4	2.4						
	15	45	5.6	6.7	4.0	5.3	3.7	4.8	4.0	4.3	3.7	3.7						
	29	87	8.5	9.3	7.2	8.3	6.1	7.2	5.9	6.4	5.6	5.9						
	33	99	9.3	9.9	8.0	9.1	6.9	8.0	6.7	6.9	6.1	6.4						
3/4"	5	15	4.8	5.1	3.7	3.7	3.2	3.2										
	7	21	5.1	6.1	4.0	4.5	4.0	4.0										
	15	45	6.9	9.6	5.9	6.9	6.1	6.1										
	29	87	11.2	14.7	9.1	10.4	8.3	9.1										
	33	99	12.5	15.7	9.9	11.5	8.8	10.1										
1"	5	15	9.1	11.7	7.2	8.3	6.9	6.9	6.4	6.4								
	7	21	10.7	14.4	8.3	10.1	8.2	8.8	8.0	8.0								
	15	45	13.3	22.4	11.2	16.0	12.0	13.8	12.5	12.5								
	29	87	21.3	33.6	16.0	24.0	16.5	20.8	16.8	18.7								
	33	99	24.3	37.3	17.3	26.7	17.6	23.2	18.1	20.8								
1 1/2"	5	15	19.5	22.4	13.9	16.0	12.5	13.3	10.7	12.5	9.6	11.2	8.8	10.1	7.5	8.5	7.5	7.5
	7	21	22.4	27.7	16.0	19.7	14.4	17.6	12.5	15.5	11.4	13.8	10.1	12.5	8.5	10.7	8.5	9.3
	15	45	30.1	43.5	21.3	30.9	19.2	26.6	16.8	24.0	15.4	21.3	13.6	19.7	11.5	16.8	11.5	14.4
	29	87	45.6	58.7	32.5	41.9	29.3	36.0	25.3	32.5	23.2	29.3	20.8	26.7	17.6	22.7	15.2	19.5
	33	99	45.6	58.7	32.5	41.9	29.3	36.0	25.3	32.5	23.2	29.3	20.8	26.7	17.6	22.7	15.2	19.5

Maximum hot water temperatures for the mixing ratio 1 : 3

- 1/2" : Cold Water Temperature + 50°C (+90°F)
- 3/4" : Cold Water Temperature + 40°C (+72°F)
- 1" : Cold Water Temperature + 45°C (+81°F)
- 1 1/2" : 93°C (199°F)

Hot Water Capacity

Ratio Steam Pressure : Cold Water Pressure = 2 : 1
Cold Water Temperature 15°C (59°F)

Size (in)	Pressure (Mpa)		Hot Water Flow Amount (l/min)											
	Steam	Cold Water	40°C		50°C		60°C		70°C		80°C		90°C	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	0,07	0,035	3	3	3	3	3	3	3	3	3	3	3	3
	0,1	0,05	3	5	3	5	3	5	3	6	3	6	6	6
	0,2	0,1	8	12	8	12	9	13	9	13	9	13	9	13
	0,4	0,2	15	20	15	21	15	21	15	21	16	22	16	22
	0,6	0,3	18	25	18	25	19	26	19	26	22	26	24	27
	0,7	0,35	20	27	20	27	21	28	21	28	23	29	26	29
3/4"	0,07	0,035	4	4	4	4	5	5	5	5	5	5	5	5
	0,1	0,05	6	9	6	9	6	10	6	10	8	10	10	10
	0,2	0,1	14	22	14	23	14	23	14	23	19	21	18	18
	0,4	0,2	22	32	19	32	20	33	20	33	24	34	31	31
	0,6	0,3	26	39	25	39	25	40	26	41	28	41	41	42
	0,7	0,35	29	42	27	42	27	43	28	44	31	45	44	45
1"	0,07	0,035	29	32	30	32	30	33	29	30	25	25	22	22
	0,1	0,05	32	38	32	38	33	39	33	38	32	32	28	28
	0,2	0,1	38	54	38	54	39	55	44	56	49	49	42	42
	0,4	0,2	49	76	50	77	51	78	61	80	77	81	71	71
	0,6	0,3	56	93	57	94	58	96	75	97	94	99	96	100
	0,7	0,35	61	100	62	102	63	104	82	105	101	107	103	109
1 1/2"	0,07	0,035	76	83	78	84	69	71	57	58	48	49	42	43
	0,1	0,05	83	99	84	100	85	90	70	74	59	63	51	54
	0,2	0,1	98	140	100	142	102	136	103	112	94	94	82	82
	0,3	0,15	116	171	118	174	120	177	122	149	126	126	110	110
	0,4	0,2	133	197	135	201	138	204	140	188	159	159	138	138
	0,5	0,25	148	221	150	224	153	228	155	226	191	191	166	166

Size (in)	Pressure (psig)		Hot Water Flow Amount (US GPM)											
	Steam	Cold Water	104°F		122°F		140°F		158°F		176°F		194°F	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	10	5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	14	7	8.0	1.3	0.8	1.3	0.8	1.3	0.8	1.6	0.8	1.6	1.6	1.6
	30	15	2.1	3.2	2.1	3.2	2.4	3.5	2.4	3.5	2.4	3.5	2.4	3.5
	58	29	4.0	5.3	4.0	5.6	4.0	5.6	4.0	5.6	4.3	5.9	4.3	5.9
	88	44	4.8	6.7	4.8	6.7	5.1	6.9	5.1	6.9	5.9	6.9	6.4	7.2
	102	51	5.3	7.2	5.3	7.2	5.6	7.5	5.6	7.5	6.1	7.7	6.9	7.7
3/4"	10	5	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	14	7	1.6	2.4	1.6	2.4	1.6	2.7	1.6	2.7	2.1	2.7	2.7	2.7
	30	15	3.7	5.9	3.7	6.1	3.7	6.1	3.7	6.1	5.1	5.6	4.8	4.8
	58	29	5.9	8.5	5.1	8.5	5.3	8.8	5.3	8.8	6.4	9.1	8.3	8.3
	88	44	6.9	10.4	6.7	10.4	6.7	10.7	6.9	10.9	7.5	10.9	10.9	11.2
	102	51	7.7	11.2	7.2	11.2	7.2	11.5	7.5	11.7	8.3	12.0	11.7	12.0
1"	10	5	7.7	8.5	8.0	8.5	8.0	8.8	7.7	8.0	6.7	6.7	5.9	5.9
	14	7	8.5	10.1	8.5	10.1	8.8	10.4	8.8	10.1	8.5	8.5	7.5	7.5
	30	15	10.1	14.4	10.1	14.4	10.4	14.7	11.7	14.9	13.1	13.1	11.2	11.2
	58	29	13.1	20.3	13.3	20.5	13.6	20.8	16.3	21.3	20.5	21.6	18.9	18.9
	88	44	14.9	24.8	15.2	25.1	15.5	25.6	20.0	25.9	25.1	26.4	25.6	26.7
	102	51	16.3	26.7	16.5	27.2	16.8	27.7	21.9	28.0	26.9	28.5	27.5	29.1
1 1/2"	10	5	20.3	22.1	20.8	22.4	18.4	18.9	15.2	15.5	12.8	13.1	11.2	11.5
	14	7	22.1	26.4	22.4	26.7	22.7	24.0	18.7	19.7	15.7	16.8	13.6	14.4
	30	15	26.1	37.3	26.7	37.9	27.2	36.3	27.5	29.9	25.1	25.1	21.9	21.9
	44	22	30.9	45.6	31.5	46.4	32.0	47.2	32.5	39.7	33.6	33.6	29.3	29.3
	58	29	35.5	52.5	36.0	53.6	36.8	54.4	37.3	50.1	42.4	42.4	36.8	36.8
	72	36	39.5	58.9	40.0	59.7	40.8	60.8	41.3	60.3	50.9	50.9	44.3	44.3

Maximum hot water temperatures for the mixing ratio 2 : 1

- 1/2" : 93°C (199°F)
- 3/4" : 93°C (199°F)
- 1" : 93°C (199°F)
- 1 1/2" : 93°C (199°F)

Hot Water Capacity

Ratio Steam Pressure : Cold Water Pressure = 3 : 1
Cold Water Temperature 15°C (59°F)

Size (in)	Pressure (Mpa)		Hot Water Flow Amount (l/min)											
	Steam	Cold Water	40°C		50°C		60°C		70°C		80°C		90°C	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	0,1	0,035	3	3	3	3	3	3	3	3	3	3	3	3
	0,21	0,07	6	8	6	8	6	9	6	9	6	9	6	9
	0,3	0,1	8	12	8	12	9	13	11	13	11	13	11	13
	0,6	0,2	14	20	14	21	14	21	15	21	16	22	21	22
	0,7	0,23	16	22	16	22	16	23	17	23	18	23	22	24
3/4"	0,1	0,035	4	4	4	4	5	5	5	5	5	5	5	5
	0,21	0,07	11	16	11	16	11	17	12	17	12	17	12	18
	0,3	0,1	16	22	14	23	14	23	21	23	21	24	22	24
	0,6	0,2	27	32	23	32	28	33	33	33	34	34	34	34
	0,7	0,23	30	34	25	35	31	35	36	36	36	36	37	37
1"	0,1	0,035	29	32	30	32	30	33	31	33	33	33	29	29
	0,21	0,07	35	45	36	46	36	46	41	47	46	48	44	44
	0,3	0,1	41	54	42	54	43	55	50	56	54	57	55	56
	0,6	0,2	61	76	62	77	63	78	75	79	77	81	78	82
	0,7	0,23	66	82	67	83	68	85	82	86	84	87	85	89
1 1/2"	0,1	0,035	79	83	81	84	82	85	76	76	64	64	56	56
	0,21	0,07	96	117	98	119	99	121	101	115	98	98	85	85
	0,3	0,1	109	140	111	142	112	144	116	147	126	126	110	110
	0,4	0,13	127	161	129	164	131	167	133	169	149	149	138	138
	0,5	0,17	140	180	142	183	145	186	147	189	168	191	166	166

Size (in)	Pressure (psig)		Hot Water Flow Amount (US GPM)											
	Steam	Cold Water	104°F		122°F		140°F		158°F		176°F		194°F	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/2"	15	5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	30	10	1.6	2.1	1.6	2.1	1.6	2.4	1.6	2.4	1.6	2.4	1.6	2.4
	45	15	2.1	3.2	2.1	3.2	2.4	3.5	2.9	3.5	2.9	3.5	2.9	3.5
	87	29	3.7	5.3	3.7	5.6	3.7	5.6	4.0	5.6	4.3	5.9	5.6	5.9
	99	33	4.3	5.9	4.3	5.9	4.3	6.1	4.5	6.1	4.8	6.1	5.9	6.4
3/4"	15	5	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	30	10	2.9	4.3	2.9	4.3	2.9	4.5	3.2	4.5	3.2	4.5	3.2	4.8
	45	15	4.3	5.9	3.7	6.1	3.7	6.1	5.6	6.1	5.6	6.4	5.9	6.4
	87	29	7.2	8.5	6.1	8.5	7.5	8.8	8.8	8.8	9.1	9.1	9.1	9.1
	99	33	8.0	9.1	6.7	9.3	8.3	9.3	9.6	9.6	9.6	9.6	9.9	9.9
1"	15	5	7.7	8.5	8.0	8.5	8.0	8.8	8.3	8.8	8.8	8.8	7.7	7.7
	30	10	9.3	12.0	9.6	12.3	9.6	12.3	10.9	12.5	12.3	12.8	11.7	11.7
	45	15	10.9	14.4	11.2	14.4	11.5	14.7	13.3	14.9	14.4	15.2	14.7	14.9
	87	29	16.3	20.3	16.5	20.5	16.8	20.8	20.0	21.1	20.5	21.6	20.8	21.9
	99	33	17.6	21.9	17.9	22.1	18.1	22.7	21.9	22.9	22.4	23.2	22.7	23.7
1 1/2"	15	5	21.1	22.1	21.6	22.4	21.9	22.7	20.3	20.3	17.1	17.1	14.9	14.9
	30	10	25.6	31.2	26.1	31.7	26.4	32.3	26.9	30.7	26.1	26.1	22.7	22.7
	45	15	29.1	37.3	29.6	37.9	29.9	38.4	30.9	39.2	33.6	33.6	29.3	29.3
	57	19	33.9	42.9	34.4	43.7	34.9	44.5	35.5	45.1	39.7	42.4	36.8	36.8
	75	25	37.3	48.0	37.9	48.8	38.7	49.6	39.2	50.4	44.8	50.9	44.3	44.3

Maximum hot water temperatures for the mixing ratio 3 : 1

1/2" : 93°C (199°F)
 3/4": 93°C (199°F)
 1": 93°C (199°F)
 1 1/2": 93°C (199°F)