



Percentage of Hot and Cold Water Mix

Thermostat	120	Mixed Temperature				
		100	105	110	115	120
Cold inlet	40	75%	81%	88%	94%	100%
	45	73%	80%	87%	93%	100%
	50	71%	79%	86%	93%	100%
	55	69%	77%	85%	92%	100%
	60	67%	75%	83%	92%	100%
	65	64%	73%	82%	91%	100%
	70	60%	70%	80%	90%	100%
	75	56%	67%	78%	89%	100%

For Example:
 A water heater with a thermostat setting of 120° F and the cold water inlet temperature is 50° F and the shower temperature is 110° F would use 86% HOT water and 14% COLD water.

Thermostat	125	Mixed Temperature					
		100	105	110	115	120	125
Cold inlet	40	71%	76%	82%	88%	94%	100%
	45	69%	75%	81%	88%	94%	100%
	50	67%	73%	80%	87%	93%	100%
	55	64%	71%	79%	86%	93%	100%
	60	62%	69%	77%	85%	92%	100%
	65	58%	67%	75%	83%	92%	100%
	70	55%	64%	73%	82%	91%	100%
	75	50%	60%	70%	80%	90%	100%

Thermostat	130	Mixed Temperature						
		100	105	110	115	120	125	130
Cold inlet	40	67%	72%	78%	83%	89%	94%	100%
	45	65%	71%	76%	82%	88%	94%	100%
	50	63%	69%	75%	81%	88%	94%	100%
	55	60%	67%	73%	80%	87%	93%	100%
	60	57%	64%	71%	79%	86%	93%	100%
	65	54%	62%	69%	77%	85%	92%	100%
	70	50%	58%	67%	75%	83%	92%	100%
	75	45%	55%	64%	73%	82%	91%	100%



Percentage of Hot and Cold Water Mix

Thermostat	135	Mixed Temperature							
		100	105	110	115	120	125	130	135
Cold inlet	40	63%	68%	74%	79%	84%	89%	95%	100%
	45	61%	67%	72%	78%	83%	89%	94%	100%
	50	59%	65%	71%	76%	82%	88%	94%	100%
	55	56%	63%	69%	75%	81%	88%	94%	100%
	60	53%	60%	67%	73%	80%	87%	93%	100%
	65	50%	57%	64%	71%	79%	86%	93%	100%
	70	46%	54%	62%	69%	77%	85%	92%	100%
	75	42%	50%	58%	67%	75%	83%	92%	100%

Thermostat	140	Mixed Temperature								
		100	105	110	115	120	125	130	135	140
Cold inlet	40	60%	65%	70%	75%	80%	85%	90%	95%	100%
	45	58%	63%	68%	74%	79%	84%	89%	95%	100%
	50	56%	61%	67%	72%	78%	83%	89%	94%	100%
	55	53%	59%	65%	71%	76%	82%	88%	94%	100%
	60	50%	56%	63%	69%	75%	81%	88%	94%	100%
	65	47%	53%	60%	67%	73%	80%	87%	93%	100%
	70	43%	50%	57%	64%	71%	79%	86%	93%	100%
	75	38%	46%	54%	62%	69%	77%	85%	92%	100%

Commercial Temperature Settings

Thermostat	150	Mixed Temperature										
		100	105	110	115	120	125	130	135	140	145	150
Cold inlet	40	55%	59%	64%	68%	73%	77%	82%	86%	91%	95%	100%
	45	52%	57%	62%	67%	71%	76%	81%	86%	90%	95%	100%
	50	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	100%
	55	47%	53%	58%	63%	68%	74%	79%	84%	89%	95%	100%
	60	44%	50%	56%	61%	67%	72%	78%	83%	89%	94%	100%
	65	41%	47%	53%	59%	65%	71%	76%	82%	88%	94%	100%
	70	38%	44%	50%	56%	63%	69%	75%	81%	88%	94%	100%
	75	33%	40%	47%	53%	60%	67%	73%	80%	87%	93%	100%



Percentage of Hot and Cold Water Mix

Thermostat	160	Mixed Temperature									
		100	110	120	125	130	135	140	145	150	160
Cold inlet	40	50%	58%	67%	71%	75%	79%	83%	88%	92%	100%
	45	48%	57%	65%	70%	74%	78%	83%	87%	91%	100%
	50	45%	55%	64%	68%	73%	77%	82%	86%	91%	100%
	55	43%	52%	62%	67%	71%	76%	81%	86%	90%	100%
	60	40%	50%	60%	65%	70%	75%	80%	85%	90%	100%
	65	37%	47%	58%	63%	68%	74%	79%	84%	89%	100%
	70	33%	44%	56%	61%	67%	72%	78%	83%	89%	100%
	75	29%	41%	53%	59%	65%	71%	76%	82%	88%	100%

Thermostat	170	Mixed Temperature										
		100	110	120	125	130	135	140	145	150	160	170
Cold inlet	40	46%	54%	62%	65%	69%	73%	77%	81%	85%	92%	100%
	45	44%	52%	60%	64%	68%	72%	76%	80%	84%	92%	100%
	50	42%	50%	58%	63%	67%	71%	75%	79%	83%	92%	100%
	55	39%	48%	57%	61%	65%	70%	74%	78%	83%	91%	100%
	60	36%	45%	55%	59%	64%	68%	73%	77%	82%	91%	100%
	65	33%	43%	52%	57%	62%	67%	71%	76%	81%	90%	100%
	70	30%	40%	50%	55%	60%	65%	70%	75%	80%	90%	100%
	75	26%	37%	47%	53%	58%	63%	68%	74%	79%	89%	100%

Thermostat	180	Mixed Temperature											
		100	110	120	125	130	135	140	145	150	160	170	180
Cold inlet	40	43%	50%	57%	61%	64%	68%	71%	75%	79%	86%	93%	100%
	45	41%	48%	56%	59%	63%	67%	70%	74%	78%	85%	93%	100%
	50	38%	46%	54%	58%	62%	65%	69%	73%	77%	85%	92%	100%
	55	36%	44%	52%	56%	60%	64%	68%	72%	76%	84%	92%	100%
	60	33%	42%	50%	54%	58%	63%	67%	71%	75%	83%	92%	100%
	65	30%	39%	48%	52%	57%	61%	65%	70%	74%	83%	91%	100%
	70	27%	36%	45%	50%	55%	59%	64%	68%	73%	82%	91%	100%
	75	24%	33%	43%	48%	52%	57%	62%	67%	71%	81%	90%	100%