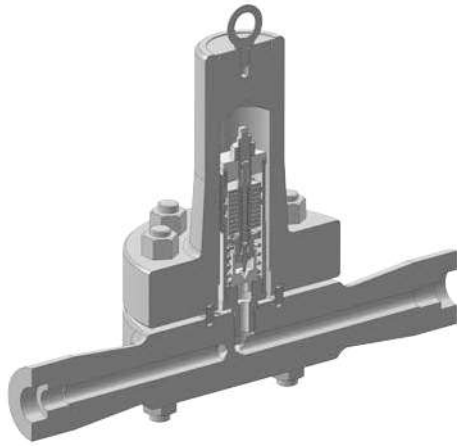


TBH71, TBH72 TBH81, TBH82



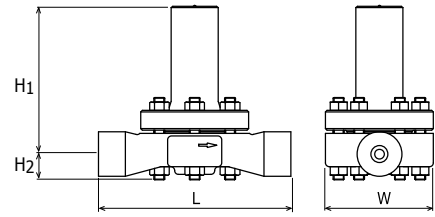
TBH72, TBH81, TBH82
Socket Weld



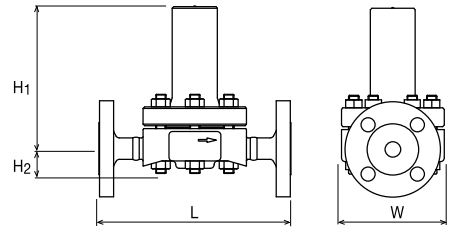
TBH71
Flanged

Dimensions

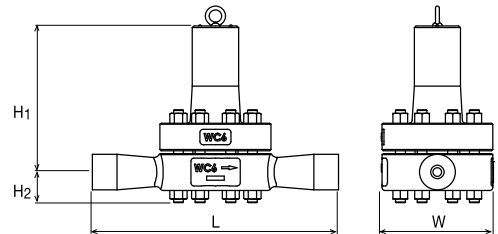
TBH71- ...W
Socket Weld



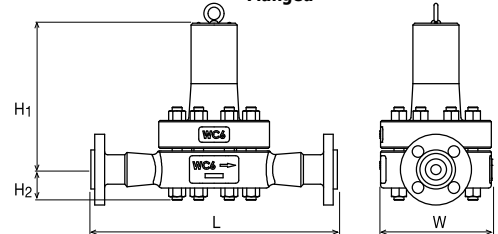
TBH71- ...F
Flanged



TBH72- ...W, TBH81- ...W, TBH82- ...W
Socket Weld



TBH72- ...F, TBH81- ...F, TBH82- ...F
Flanged



Standard factory settings

Model	MPa	psig	Model	MPa	psig
TBH71-80	6,5 (210°C)	942 (410°F)	TBH72-80	6,5 (210°C)	942 (410°F)
TBH71-105	8,0 (230°C)	1160 (446°F)	TBH72-105	8,0 (230°C)	1160 (446°F)
TBH81-150	10,5 (250°C)	1522 (482°F)	TBH82-150	10,5 (250°C)	1522 (482°F)
TBH81-200	15,0 (270°C)	2175 (518°F)	TBH82-200	15,0 (270°C)	2175 (518°F)

Pressure shell design conditions

Model	PMA		TMA	
	MPa	psig	°C	°F
TBH71-80	11,8 (425°C)	1711 (800°F)	593 (1,3MPa)	1100 (188 psig)
TBH71-105				
TBH72-80	25,0 (492°C)	3625 (918°F)	593 (3,7MPa)	1100 (536 psig)
TBH72-105				
TBH81-150	25,0 (492°C)	3625 (918°F)	593 (3,7MPa)	1100 (536 psig)
TBH81-200				
TBH82-150	25,0 (520°C)	3625 (968°F)	593 (5,9MPa)	1100 (856 psig)
TBH82-200	25,0 (538°C)	3625 (1000°F)	593 (7,3MPa)	1100 (1059 psig)

Model	Connections	Size	Max. Operating Pressure		Max. Operating Temperature		Adjustable Range		Dimensions (mm)				Dimensions (in)				Body Material	Weight	
			MPa	psig	°C	°F	°C	°F	L	H1	H2	W	L	H1	H2	W		kg	lb
TBH71-80W	Socket Weld JIS, ASME, DIN	½" – 1"	8,0	1160	470	878	100 – 260	212 – 500	250	195	33	140	9.8	7.7	1.3	5.5	Cast Steel A217WC6	13	28.6
TBH71-105W			10,5	1522			100 – 280	212 – 536										13	28.6
TBH81-150W			15,0	2175			100 – 300	212 – 572										29	63.8
TBH81-200W			20,0	2900			100 – 320	212 – 608										29	63.8
TBH71-80F	Flanged JIS, ASME, DIN	½" – 1"	8,0	1160	470	878	100 – 260	212 – 500	260	195	33	140	10.2	7.7	1.3	5.5	Cast Steel A217WC6	19*	41.8*
TBH71-105F			10,5	1522			100 – 280	212 – 536										19*	41.8*
TBH81-150F			15,0	2175			100 – 300	212 – 572										38*	83.6*
TBH81-200F			20,0	2900			100 – 320	212 – 608										38*	83.6*

Model	Connections	Size	Max. Operating Pressure		Max. Operating Temperature		Adjustable Range		Dimensions (mm)				Dimensions (in)				Body Material	Weight	
			MPa	psig	°C	°F	°C	°F	L	H1	H2	W	L	H1	H2	W		kg	lb
TBH72-80W	Socket Weld JIS, ASME, DIN	½" – 1"	8,0	1160	550	1022	100 – 260	212 – 500	400	268	50	180	15.7	10.6	2.0	7.1	A217WC6	29	63.8
TBH72-105W			10,5	1522			100 – 280	212 – 536										29	63.8
TBH82-150W			15,0	2175			100 – 300	212 – 572										37	81.4
TBH82-200W			20,0	2900			100 – 320	212 – 608										68	149.6
TBH72-80F	Flanged JIS, ASME, DIN	½" – 1"	8,0	1160	550	1022	100 – 260	212 – 500	400	268	50	180	15.7	10.6	2.0	7.1	A217WC6	35*	77.0*
TBH72-105F			10,5	1522			100 – 280	212 – 536										38*	83.6*
TBH82-150F			15,0	2175			100 – 300	212 – 572										46*	101.2*
TBH82-200F			20,0	2900			100 – 320	212 – 608										76*	167.2*

* The weight refers to 1" flanged type. Depending on the size and flange standard the weights may differ.

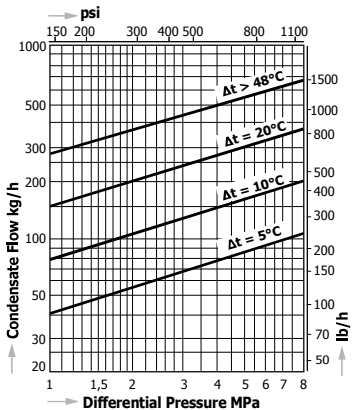
Forged Steel (A182F91) as body material for TBH72 and TBH82 is available as special design. For more details, please contact MIYAWAKI Inc. or an authorized representative.

Bimetal Temperature Control Trap – High Pressure **SERIES TB**

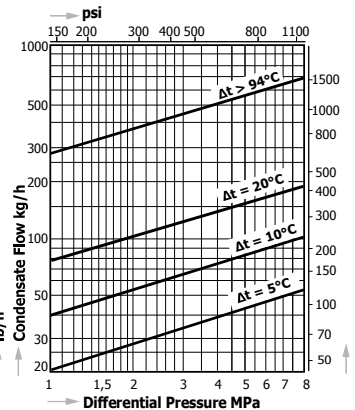
Capacity Charts

Temperature Stroke Charts

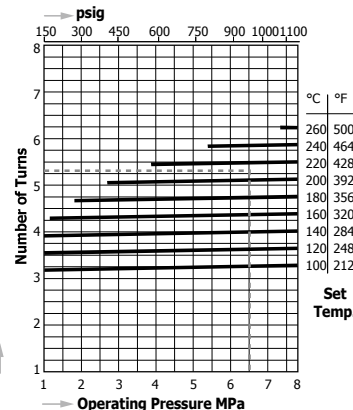
TBH71 - 80



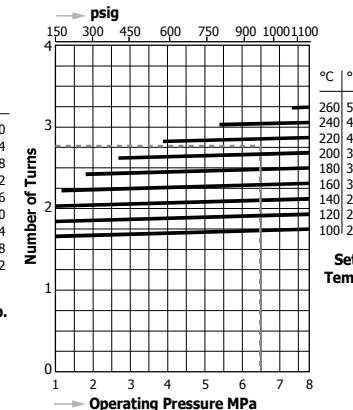
TBH72 - 80



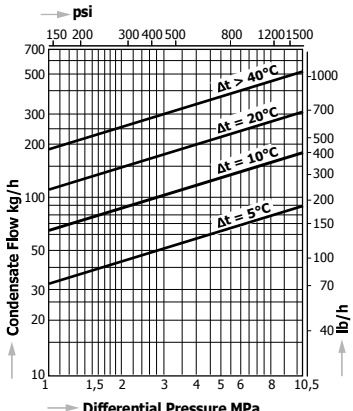
TBH71 - 80



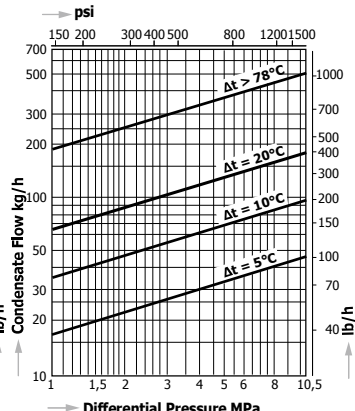
TBH72 - 80



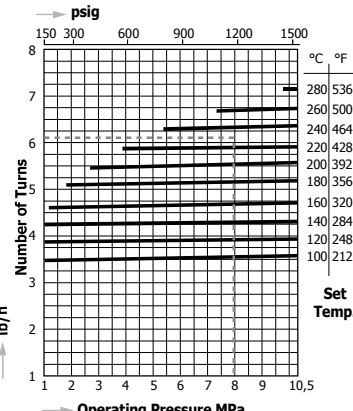
TBH71 - 105



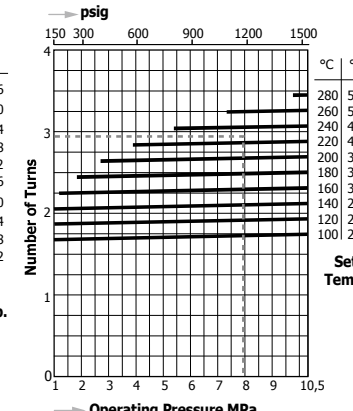
TBH72 - 105



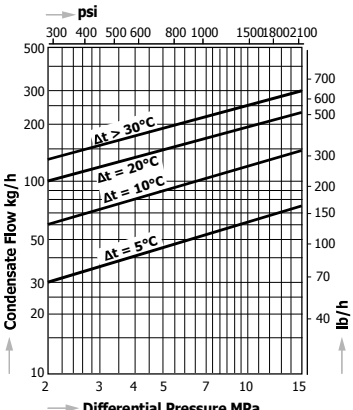
TBH71 - 105



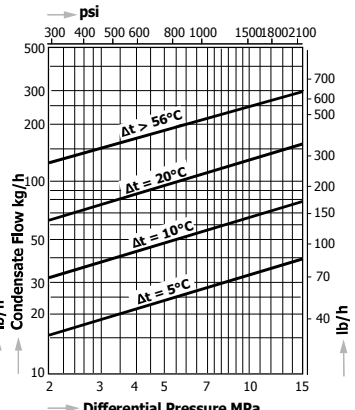
TBH72 - 105



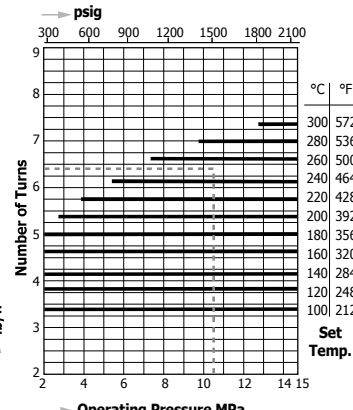
TBH81 - 150



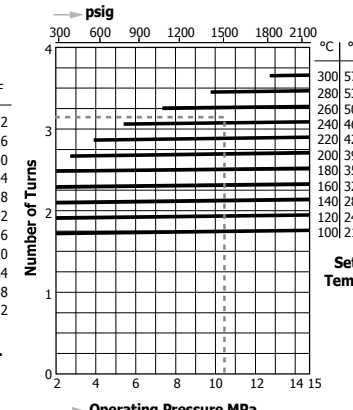
TBH82 - 150



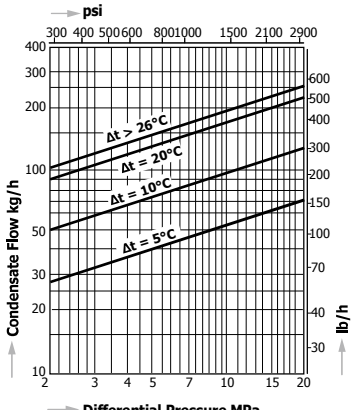
TBH81 - 150



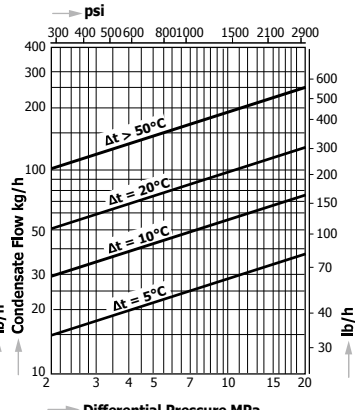
TBH82 - 150



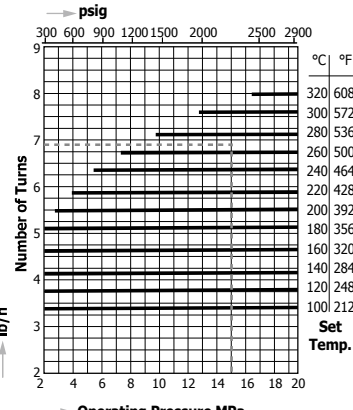
TBH81 - 200



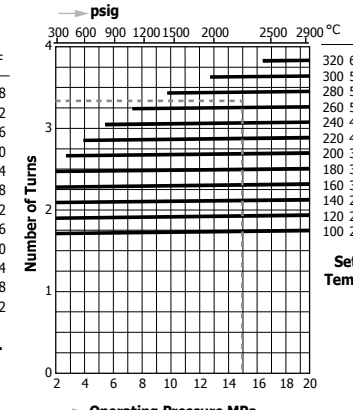
TBH82 - 200



TBH81 - 200



TBH82 - 200



The dashed line shows the standard factory setting.