

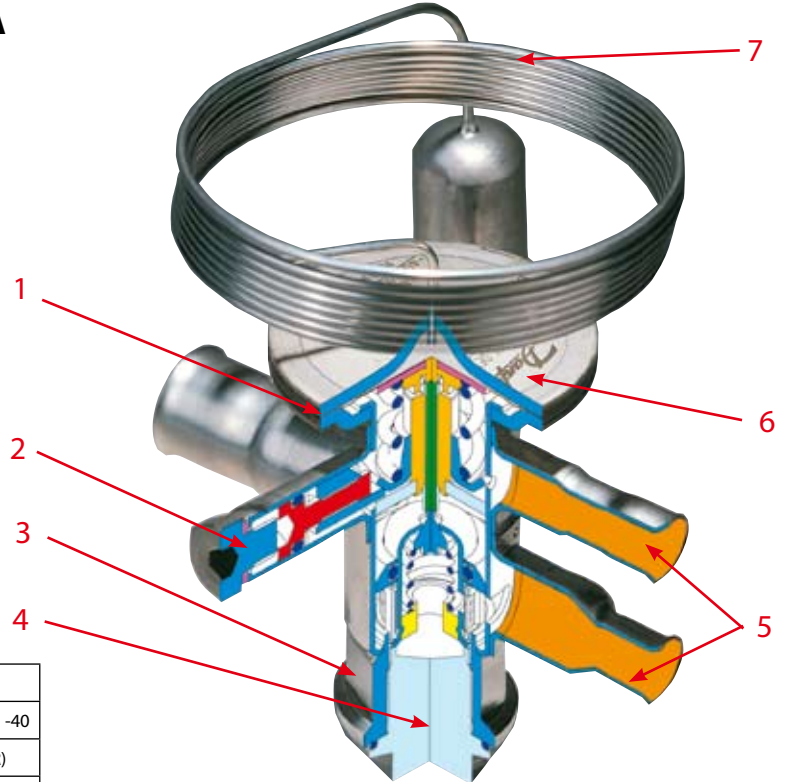
## The heat is on; it's time to perform Danfoss TU Thermostatic Expansion Valves

Danfoss TU Series expansion valves are designed for a wide range of applications with **No Wrap technology** to save time and money:

- Quick to install - less than ½ the time
- Use ordinary brazing materials
- No wet wrap required
- Interchangeable orifices
- Adjustable superheat
- Vibration resistant, stainless steel capillary tube prevents breakage
- Durable laser engraving designed to hold up against harsh elements
- Dual contact sensing bulb

## Thermostatic Expansion Valve, Type TUA

1. Laser welding technology preserves the diaphragm's integrity.
2. Adjustable superheat factory preset at 9 degrees.
3. Stainless steel body gives long life in harsh environments. Salt spray tested (ASTM B117) for more than 1000 hours.
4. Replaceable orifice allows for wide range of applications using the same body style.
5. Bi-metal connections of stainless steel and copper for fast, easy, and cost-effective brazing. No need for a wet cloth.
6. Laser engraving for durable positive identification. No paper labels.
7. Stainless steel capillary tube is tougher than copper, and more resistant to breakage, for an extended service life.



## Capacities

R22					Evap. Temperature (°F)					
Valve Body		Orifice Size	Code Number	Nom. Capacity	50	40	20	0	-20	-40
Internal	External				Rated Capacity in Tons (TR)					
TUA 068U2235	TUAE 068U2237	00	068U1030	1/5	0.17	0.18	0.17	0.15	0.13	0.10
		01	068U1031	1/4	0.26	0.26	0.24	0.20	0.15	0.11
		02	068U1032	1/3	0.38	0.36	0.30	0.24	0.18	0.13
		03	068U1033	1/2	0.52	0.50	0.42	0.33	0.25	0.18
		04	068U1034	3/4	0.79	0.75	0.63	0.49	0.37	0.26
		05	068U1035	1	1.04	0.99	0.84	0.66	0.49	0.35
		06	068U1036	1 1/2	1.58	1.50	1.26	0.99	0.73	0.52
		07	068U1037	2	2.09	2.00	1.68	1.31	0.98	0.70
		08	068U1038	3	3.13	2.99	2.52	1.98	1.48	1.05
09	068U1039	4 1/2	4.70	4.46	3.74	2.94	2.16	1.53		

R404A / R507					Evap. Temperature (°F)					
Valve Body		Orifice Size	Code Number	Nom. Capacity	50	40	20	0	-20	-40
Internal	External				Rated Capacity in Tons (TR)					
TUA 068U2285	TUAE 068U2287	00	068U1030	1/8	0.13	0.13	0.12	0.11	0.09	0.07
		01	068U1031	1/5	0.20	0.20	0.18	0.15	0.11	0.08
		02	068U1032	1/4	0.30	0.28	0.24	0.18	0.13	0.09
		03	068U1033	1/3	0.41	0.39	0.33	0.25	0.18	0.13
		04	068U1034	1/2	0.63	0.59	0.49	0.37	0.27	0.19
		05	068U1035	3/4	0.84	0.79	0.65	0.50	0.36	0.25
		06	068U1036	1	1.26	1.19	0.98	0.75	0.54	0.38
		07	068U1037	1 1/2	1.68	1.58	1.31	1.00	0.73	0.50
		08	068U1038	2 1/4	2.49	2.35	1.97	1.51	1.10	0.76
09	068U1039	3 1/2	3.75	3.53	2.91	2.22	1.61	1.11		

R134a					Evap. Temperature (°F)					
Valve Body		Orifice Size	Code Number	Nom. Capacity	50	40	20	0	-20	-40
Internal	External				Rated Capacity in Tons (TR)					
TUA 068U2205	TUAE 068U2207	00	068U1030	1/8	0.13	0.13	0.12	0.11	0.08	0.06
		01	068U1031	1/5	0.21	0.20	0.17	0.13	0.09	0.06
		02	068U1032	1/4	0.30	0.28	0.22	0.16	0.11	0.07
		03	068U1033	1/3	0.41	0.39	0.31	0.22	0.15	0.10
		04	068U1034	1/2	0.63	0.58	0.45	0.33	0.22	0.14
		05	068U1035	3/4	0.83	0.77	0.61	0.44	0.30	0.19
		06	068U1036	1	1.26	1.16	0.91	0.65	0.44	0.28
		07	068U1037	1 1/2	1.67	1.55	1.22	0.87	0.59	0.38
		08	068U1038	2	2.49	2.31	1.82	1.32	0.89	0.57
09	068U1039	3	3.73	3.45	2.69	1.93	1.30	0.83		

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