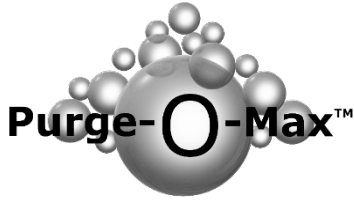




AIR SEPARATOR Purge-O-Max™



TJ Purge-O-Max™ air separators and air vents are designed specifically for the efficient separation and removal of air in hydronic heating systems. To do this, three different designs are offered.

a) Purge-O-Max™ SMALL

Commonly referred to as an air purger or automatic float vent, the **Purge-O-Max™ SMALL** is designed for multiple applications. The **Purge-O-Max™ SMALL** is ideal for removing air from buffer tanks and return lines etc. It has an oversized air chamber to release a greater amount of air when opening.

Technical Specifications and Benefits :

- It is equipped with a ½ FNPT or ¾ MNPT connection which makes it very versatile
- Operating temperature: 32 to 250°F (0 to 120°C)
- Type of fluid : water and or mixture of Glycol up to 50%
- Maximum Design Pressure: 150 Psi
- Brass Body
- ½ MNPT connection located on the top to direct the air that is exhausted
- Internal components are made with corrosion resistant materials
- Easily removable for cleaning and maintenance
- Improves the efficiency and quality of the water and/or the water and glycol mixture
- Reduces the risk of rust and circulator cavitation

NEW!
½ MNPT fitting to direct exhaust air



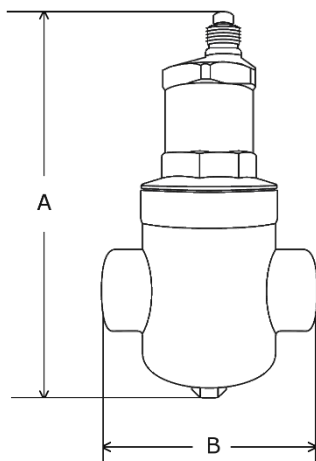
Model	Connection	Height (A)		Width (B)		Weight	
		po	mm	po	mm	lb	kg
VISSÉ (NPT)							
TJ-POMSS0F75M	¾" MNPT ½" FNPT	5"¼	133	2¼	56	1.7	0.8

b) Purge-O-Max™ SD

The air separator **Purge-O-Max™ SD** of **TJ** are specifically designed for the effective separation and removal of entrained air microbubbles in hydronic heating systems. A brush-like stainless steel coalescing medium captures microbubbles on its filaments until they coalesce and grow larger and larger. Then, they detach and float towards the top of the separator, to finally be released by the automatic vent.

Technical Specifications and Benefits:

- Equipped with a ½ NPT female port under the separator that allows an expansion tank to be installed directly on it
- The huge separator body promotes better capture of microbubbles and ensures unrestricted operation
- Type of fluid: water and/or mixture of Glycol
- Media coalescent en acier inoxydable
- Connections: FNPT (Thread) or Sweat
- Maximum temperature: 250°F (120°C)
- Maximum Design Pressure: 150 Psi
- Brass Body
- Reduces the risk of rust and cavitation of circulators
- Better quality of fluids, facilitates purging of the hydronic system



Model	Connection	Height (A)		width (B)		Flow		weight	
		po	mm	po	mm	GPM	L/m	lb	kg
Thread (NPT)									
TJ-POM075T	¾"	8½	215	4½	115	11	41.6	4.0	1.8
TJ-POM100T	1"	8½	215	4½	115	11	41.6	4.0	1.8
TJ-POM125T	1½"	8½	215	4½	115	16	60.6	4.0	1.8
TJ-POM150T	1½"	8½	215	4½	115	23	87.1	4.4	2.0
TJ-POM200T	2"	8½	215	4½	115	40	151.4	4.2	1.9
SWEAT									
TJ-POM075S	¾"	8½	215	4½	115	11	41.6	4.0	1.8
TJ-POM100S	1"	8½	215	4½	115	11	41.6	4.0	1.8
TJ-POM125S	1½"	8½	215	4½	115	16	60.6	3.75	1.7

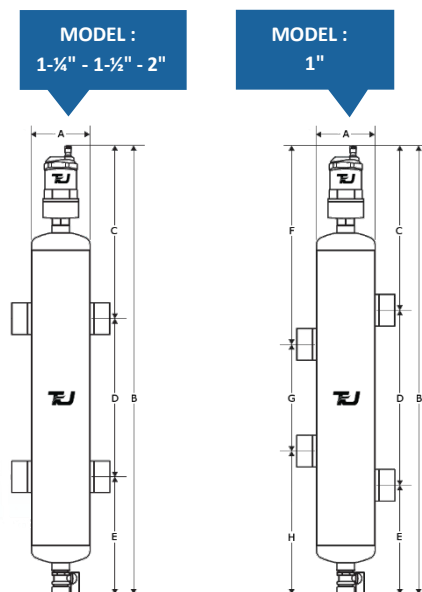
c) Purge-O-Max™ HS

The separator hydronic **Purge-O-Max™ HS** of **TJ** are specially designed to isolate the primary circuits (boiler) from the secondary circuits for both pressure drop and flow rate. The size of hydronic separators **Purge-O-Max™ HS** should be determined with the maximum flow rate of the heat transfer liquid inlet. The information used must be the higher of the two, whether it comes from the primary circuit or the secondary.



Technical Specifications and Benefits:

- Made of 304 stainless steel to ensure longevity
- Equipped with a drainage valve under the separator to facilitate network maintenance
- Equipped with automatic air vent **Purge-O-Max™ SMALL** on the top, in order to purge the air from the hydronic system
- Preformed insulation included with 1" and 1-¼" spacers
- Huge separator body promotes better capture of microbubbles and ensures unrestricted operation
- Reduces energy consumption, pumps are better balanced.
- Type of fluid: water and or 50% glycol/water mixture
- Maximum temperature with insulation: 250°F (120°C)
- Maximum temperature without insulation: 212°F (100°C)
- Maximum design pressure: 150 Psi
- Reduces the risk of rust and cavitation of circulators
- Improved fluid quality by separating air and dirt
- Facilitates purging of the hydronic system



Model	Connection	(A)		(B)		(C)		(D)		(E)		(F)		(G)		(H)		weight		Flow	
		po	mm	po	mm	po	mm	po	mm	po	mm	po	mm	po	mm	po	mm	lb	kg	GPM	L/m
Thread (MNPT)																					
TJ-POMHS100T	1" MNPT	2.99	76	25.6	651	11.5	291	8.7	220	5.5	140	12.8	326	5.9	150	6.9	175	4.4	2	12	45
TJ-POMHS125T	1¼" MNPT	3.94	100	30.4	771	18.2	461	9.5	240	12.2	310							6.6	3	19	72
TJ-POMHS150T	1½" MNPT	5.12	130	31.9	811	18.9	481	10.2	260	12.9	330							9.5	4.3	27	102
TJ-POMHS200T	2" MNPT	6.26	159	35.1	891	20.5	521	11.8	300	14.6	370							13.9	6.3	40	151