

DIAPHRAGM **EXPANSION** TANKS

Sizing for Hydronic Heating/Cooling Systems

Job	Name:		
Job	Location	_Salesman:	
Conta	act Name:	Model #:	
Info	rmation Required:		
1	1. Total system water content.		gallons
2	2. Temperature of water when system is filled.		°F
3	3. Average maximum operating temperature		°F
4	4. Minimum operating pressure		psig
5	6. Maximum operating pressure (10% below relief	valve)	psig
Mod	lel Selection:		
6	6. Enter total system water content. (from line 1. ab	oove)	gallons
7	7. Using the expansion factor table, find and enter to expansion factor	the	
8	3. Multiply line 6 by line 7. Enter expanded water	volume.	gallons
9	O. Using acceptance factor table, find and enter the acceptance factor.		
10). Divide line 8 by line 9, enter total tank volume r	equired.	gallons
	Line 8gallons Expanded Water (accep	-	-
	Line 10 gallons total tank volume		
Selec	et dianhraom exnansion tank		

NTA Models must satisfy both lines 8 and 10 above.

NLA Models are selected by gallons only from line 10.

NVA Models are selected by gallons only from line 10.

For large systems, multiple tanks can be manifolded together.

CAUTION: This chart is for water only. For expansion factors for glycol solutions contact the Wessels factory or your local Wessels dealer.