

# Air Separator Instructions

- Remove all plastic covers & plastic plugs before installation
- Install Wheatley Air Separator in the system between the Wheatley Expansion Tank(s) and the pump(s)
- Install Expansion Tank(s) as close to the Air Separator as possible
- If a shut-off valve is installed in the line, it must be fully open when the system is in operation
- A connection for a Wheatley Air Release Valve is at the top of the Air Separator

## Initial Start-up:

When the system is first filled, release air from heating units and high points if necessary for quick filling. Any entrained air is separated continuously thereafter, as water is pumped through the Air Separator.

## Service:

When a strainer is specified, it is recommended that the installer remove and clean the strainer after 24 hours of operation and after 30 days of operation. Also, periodically open blowdown valve to purge Air Separator of foreign particles.

## Typical Specification:

Furnish and install on plans a tangential air separator by American Wheatley.

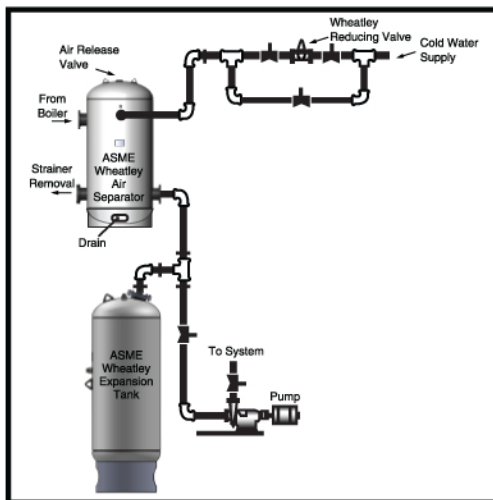
The air separator shall have \_\_\_" (NPT/Flanged) tangential inlet and outlet connections. The air separator can also be equipped with removable stainless steel strainer with 3/16" diameter perforations. When a strainer is specified, installer shall remove and clean the strainer after 24 hours operation and after 30 days operation. There shall be a bottom connection for routine blowdown cleaning of the unit.

The air separator must be constructed and stamped for 125 psig in accordance with the ASME Boiler and Pressure Vessel Code.

Each air separator shall be American Wheatley HVAC Products \_\_\_\_\_ or equal.

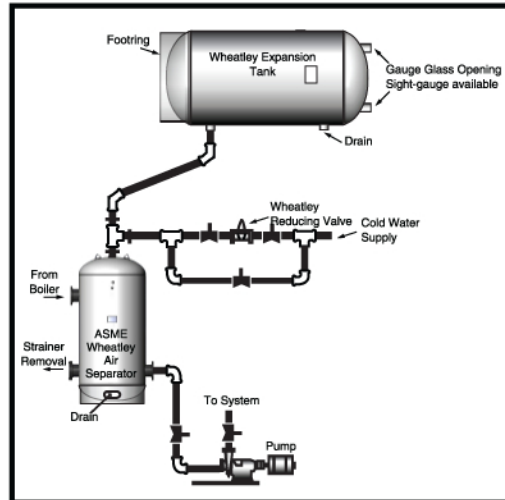
### Typical Piping Details

With Bladder Type Tanks (WPA/WFA Series)



### Typical Piping Details

With Plain Steel Tanks (WPS Series)



JOB NAME \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_  
 CONTRACTOR P.O. NO. \_\_\_\_\_

| ITEMS | QUANTITY |
|-------|----------|
| _____ | _____    |
| _____ | _____    |
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**Air Separators With Strainer**

| SIZE   | WHEATLEY | B&G    | TACO   | AMTROL   | WESSELS   | WOOD         |
|--------|----------|--------|--------|----------|-----------|--------------|
| 2"     | TASS020  | R2     | ACT2F  | 2-AS     | SPA2S     | JASR-19-501  |
| 2 1/2" | TASS025  | R2 1/2 | ACT25F | 2 1/2-AS | SPA2 1/2S | JASR-19-502  |
| 3"     | TASS030  | R3     | ACT3F  | 3/AS     | SPA3S     | JASR-19-503  |
| 4"     | TASS040  | R4     | ACT4F  | 4-AS     | SPA4S     | JASR-19-504  |
| 5"     | TASS050  | R5     | ACT5F  | 5-AS     | SPA5S     | JASR-19-505  |
| 6"     | TASS060  | R6     | ACT6F  | 6-AS     | SPA6S     | JASR-19-506  |
| 8"     | TASS080  | R8     | ACT8F  | 8-AS     | SPA8S     | JASR-19-507  |
| 10"    | TASS100  | R10    | ACT10F | 10-AS    | SPA10S    | JASR-19-508  |
| 12"    | TASS120  | R12    | ACT12F | 12-AS    | SPA12S    | JASRR-19-509 |
| 14"    | TASS140  | R14    | ACT14F | 14-AS    | SPA14S    | JASR-19-510  |
| 16"    | TASS160  | R16    | ACT16F | 16-AS    | SPA16S    | JASR-19-511  |
| 18"    | TASS180  | R18    | ACT18F | 18-AS    |           | JASR-19-512  |
| 20"    | TASS200  | R20    | ACT20F | 20-AS    |           | JASR-19-513  |
| 22"    | TASS220  | R22    |        | 22-AS    |           |              |
| 24"    | TASS240  | R24    |        | 24-AS    |           | JASR-19-514  |

**Air Separators Without Strainer**

| SIZE   | WHEATLEY | B&G      | TACO  | AMTROL     | WESSELS  | WOOD        |
|--------|----------|----------|-------|------------|----------|-------------|
| 2"     | TAS020   | RL-2     | ACT2  | 2-AS-L     | SPA2     | JASR-19-401 |
| 2 1/2" | TAS025   | RL-2 1/2 | ACT25 | 2 1/2-AS-L | SPA2 1/2 | JASR-19-402 |
| 3"     | TAS030   | RL-3     | ACT3  | 3/AS-L     | SPA3     | JASR-19-403 |
| 4"     | TAS040   | RL-4     | ACT4  | 4-AS-L     | SPA4     | JASR-19-404 |
| 5"     | TAS050   | RL-5     | ACT5  | 5-AS-L     | SPA5     | JASR-19-405 |
| 6"     | TAS060   | RL-6     | ACT6  | 6-AS-L     | SPA6     | JASR-19-406 |
| 8"     | TAS080   | RL-8     | ACT8  | 8-AS-L     | SPA8     | JASR-19-407 |
| 10"    | TAS100   | RL-10    | ACT10 | 10-AS-L    | SPA10    | JASR-19-408 |
| 12"    | TAS120   | RL-12    | ACT12 | 12-AS-L    | SPA12    | JASR-19-409 |
| 14"    | TAS140   | RL-14    | ACT14 | 14-AS-L    | SPA14    | JASR-19-410 |
| 16"    | TAS160   | RL-16    | ACT16 | 16-AS-L    | SPA16    | JASR-19-411 |
| 18"    | TAS180   | RL-18    | ACT18 | 18-AS-L    |          | JASR-19-412 |
| 20"    | TAS200   | RL-20    | ACT20 | 20-AS-L    |          | JASR-19-413 |
| 22"    | TAS220   | RL-22    |       | 22-AS-L    |          |             |
| 24"    | TAS240   | RL24     |       | 24-AS-L    |          | JASR-19-414 |

JOB NAME \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_  
 CONTRACTOR P.O. NO. \_\_\_\_\_

| ITEMS | QUANTITY |
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| _____ | _____    |



**A GFP COMPANY**

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