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### Checking the high pressure in a system with an outdoor expansion device

If you suspect that, the system that you have may have a clogged screen or capillary, you may have to install a service port on the outlet of the condenser coil before the capillary screen, so you will be able to check the high-pressure side of the condenser

Capillary Tube

Process Tubing



Capillary Screen / Filter



Detailed Picture

Connect High Pressure Side

Install a Charging Port / Valve



## Access Valves



Access Valves provide a servicing aperture to facilitate recovery or recharge of refrigerants. All our Access Valves come standard with 1/4" SAE male flare connections, built-in valve cores and brass caps. Requires evacuation and welding for the installation

**CLAMP-ON LINE TAP VALVES**  
Used to provide access fitting without having to remove refrigerant from system.



On a WAS012 / WAN012 system with an ambient of 90 F, and 80% humidity the pressures should be in the range of 250 PSIG High Side with 75 PSIG in the Low Side.

The pressures on an overcharged system with a clogged screen will be in the order of 275 -300 PSIG High Side with 50-60 PSIG in the low side, the compressor will run hot and may stop working by the overload switch, the amperage will be over 20% higher than the recommended in the unit specifications tag.

If the situation is not corrected the compressor will fail / burn.

If you determine that the screen / strainer is clogged, proceed to replace it

On systems with outdoor expansion devices is highly recommended the installation of a suction filter, DO NOT install filter driers in the liquid line after the expansion device, you may have a considerable pressure drop, and system malfunction

On systems with indoor expansion device a liquid line filter should be installed before the expansion device.