



Auxiliary Side Connectors

Type ASC-H-7 and ASC-M-9

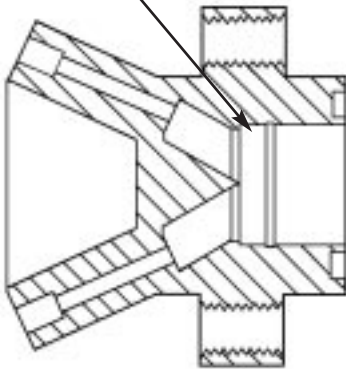
INSTALLATION INSTRUCTIONS

The auxiliary side connector (ASC) permits the conversion of flange Sporlan refrigerant distributors to hot gas bypass, hot gas defrost or reverse cycle service.

1. Remove and discard the nozzle and retainer ring from the conventional refrigerant distributor. The ASC should have a Type R nozzle installed. See Sketch.

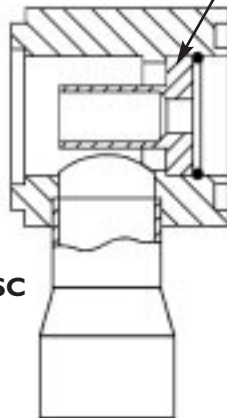
U.S. Patent No. 3,563,055

Remove & Discard Nozzle



Sporlan Distributor *

Type R Nozzle



ASC

* Can also be used with distributors utilizing standard companion flange.

2. The ASC is bolted in place with gaskets between the distributor inlet and valve outlet.
3. The auxiliary side connection is made as required by the particular application.

The hot gas or drained liquid bypasses the new nozzle position. In addition, the liquid / vapor mixture flowing from the thermostatic expansion valve passes through the extended nozzle. This tube eliminates any interference by hot gas entering through the auxiliary connection with the flow from the thermostatic expansion valve.

When an ASC is used to introduce hot gas to the evaporator inlet for capacity control the distributor feed tubes generally should be one size larger than that recommended for straight cooling duty - See table of Distributor Tube Circuit Capacity - Tons, page 13, Bulletin 20-10 dated June, 1975. However, if the hot gas bypass flow does not exceed the equivalent of 75% of the design cooling load then tubes sized for straight cooling duty will be adequate.

FOR USE ON REFRIGERATION and/or AIR CONDITIONING SYSTEMS ONLY



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