

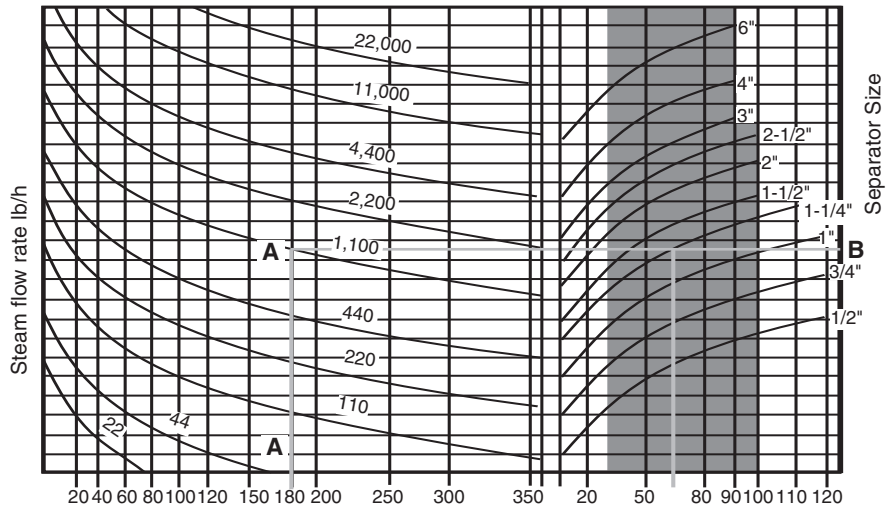
# spirax/sarco®

## Sizing Chart for S5 & S6 Separators

### Steam Sizing Chart

#### Sizing Example

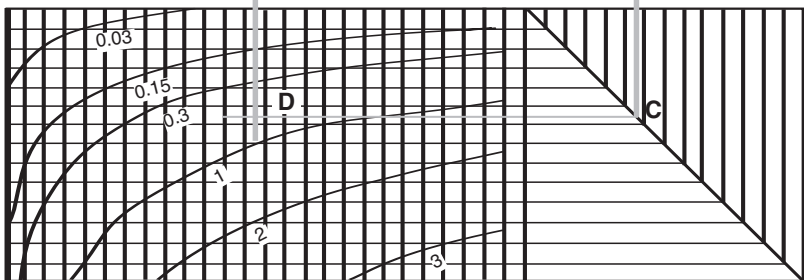
1. Taking a steam pressure of 180 psig and flow rate of 1100 lb/h draw line A-A.
2. Draw horizontal line A-B.
3. Any separator curve that is bisected by line A-B within the shaded area will operate at near 100% efficiency.
4. Line velocity for any size can be determined by dropping a vertical line B-C (eg. 60 ft/s for 1-1/4" unit).
5. Pressure drop is determined by plotting lines C-D and A-D. The point of intersection is the pressure drop across the separator, ie: 0.5 psi.
6. Separators should be selected on the basis of the best compromise between line size, velocity and pressure drop for each application.



The shaded area denotes recommended selection for better than 99% separation efficiency.

Steam pressure psi (approx.)

Flow velocity (ft/s)



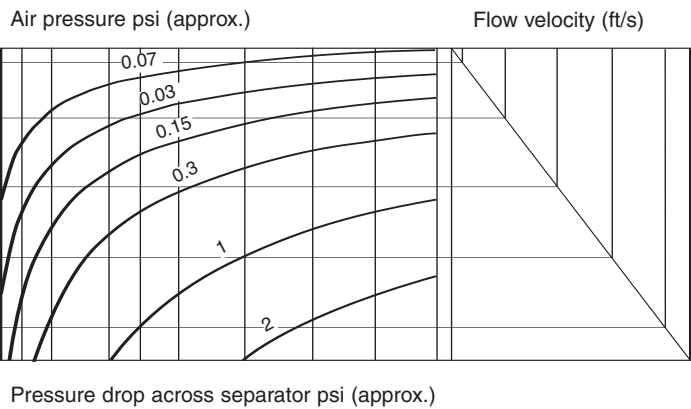
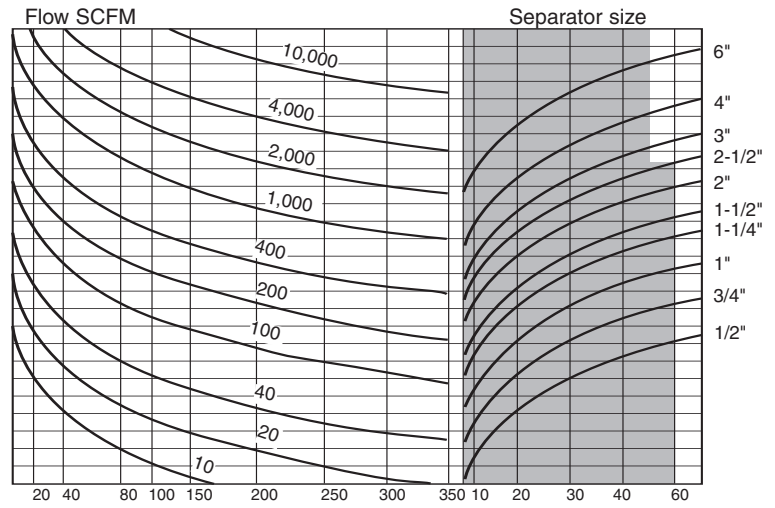
Pressure drop across separator psi (approx.)

Note: Any Separator curve that is bisected within the shaded area will operate at near 100% efficiency.

# Sizing Chart for S5 & S6 Separators

## Separator Flow Velocity & Pressure Drop for compressed Air

Note: Any Separator curve that is bisected within the shaded area will operate at near 100% efficiency.



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