

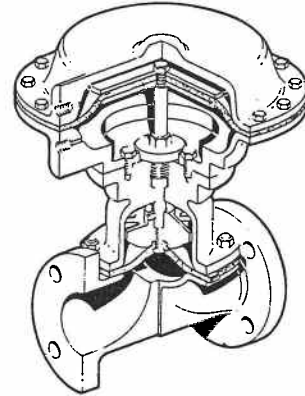
Actuator Sizing

Type "C" Actuators

100% Δp

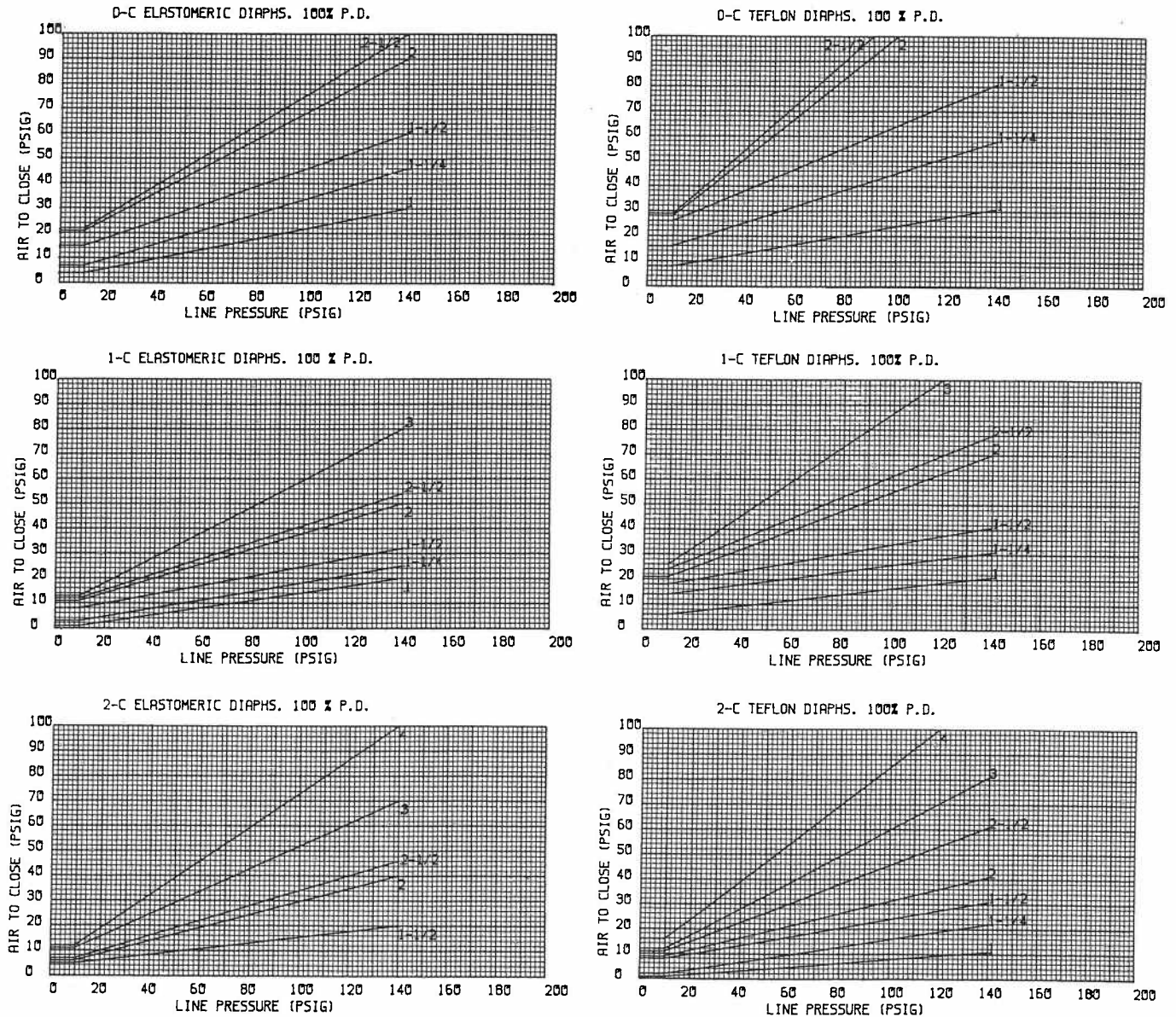
Air to close, air to open

The choice of actuator size is determined by the line pressure through the valve and the available operating air pressure. Some operating conditions call for substantial line pressures downstream when the valve closes:



After the valve closes, if the downstream pressure is less than 30% of the upstream pressure — this condition is 100% ΔP . If the downstream pressure is 30% or more of the upstream pressure — the condition is 0% ΔP .

The charts shown below are for 100% ΔP condition and show the air pressure required to close the valve against various line pressures. All valves will be fully stroked.

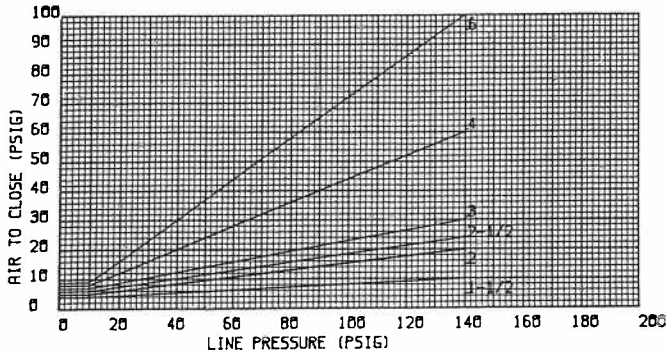


Type "C" Actuators

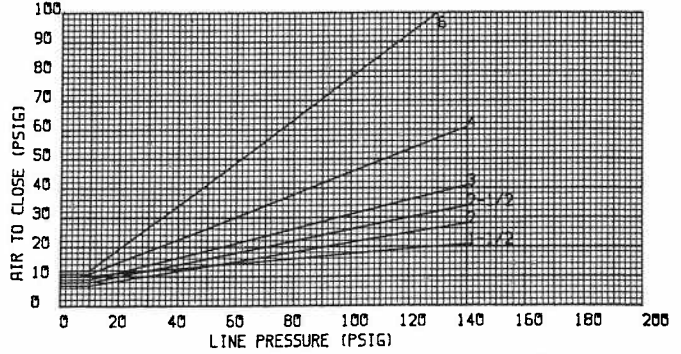
Air to close, air to open

100% Δp

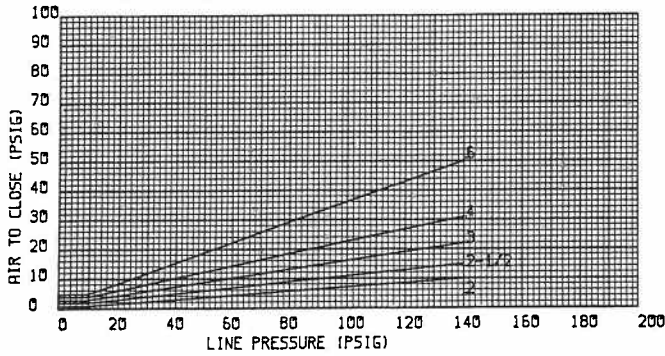
2A-C ELASTOMERIC DIAPHS. 100% P.D.



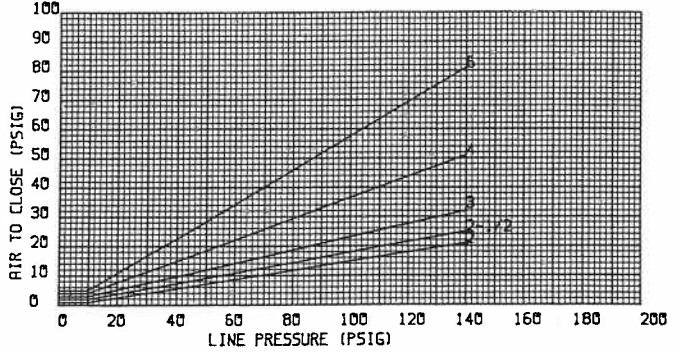
2A-C TEFLON DIAPHS. 100% P.D.



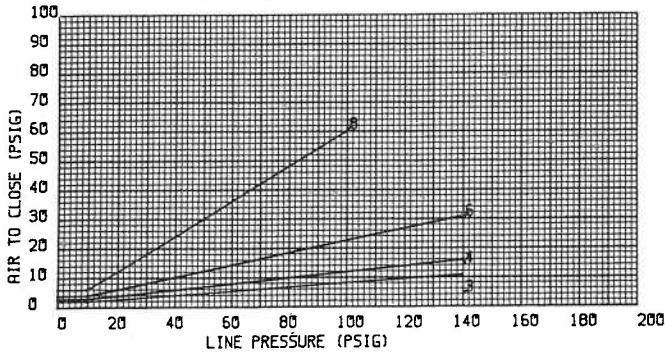
3-C ELASTOMERIC DIAPHS. 100% P.D.



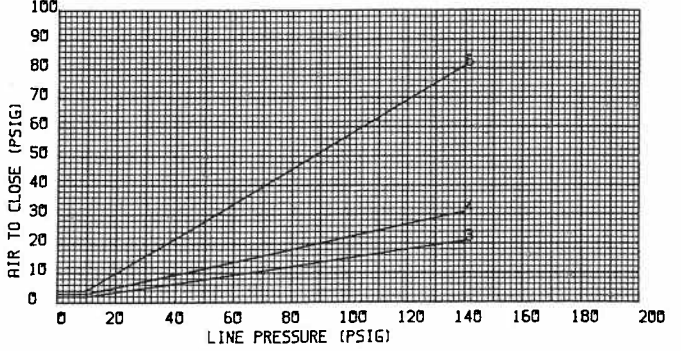
3-C TEFLON DIAPHS. 100% P.D.



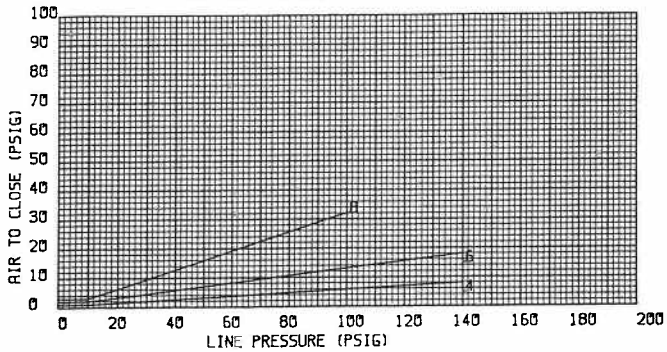
4-C ELASTOMERIC DIAPHS. 100% P.D.



4-C TEFLON DIAPHS. 100% P.D.



5-C ELASTOMERIC DIAPHS. 100% P.D.



5-C TEFLON DIAPHS. 100% P.D.

