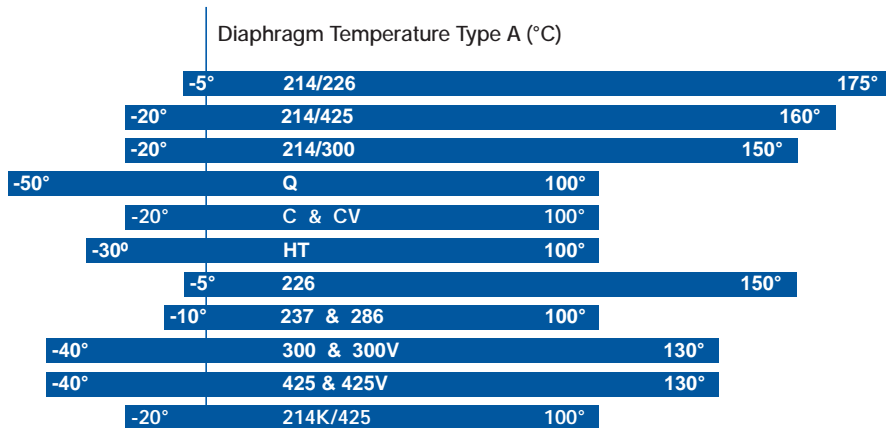
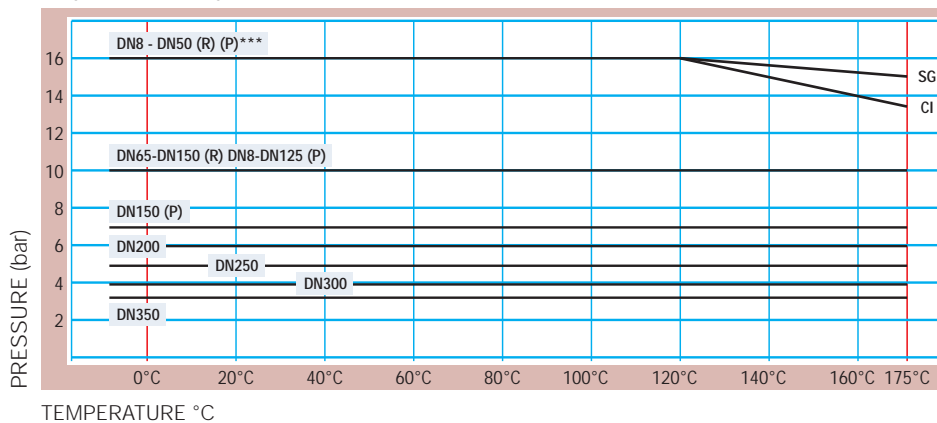


Diaphragm Performance

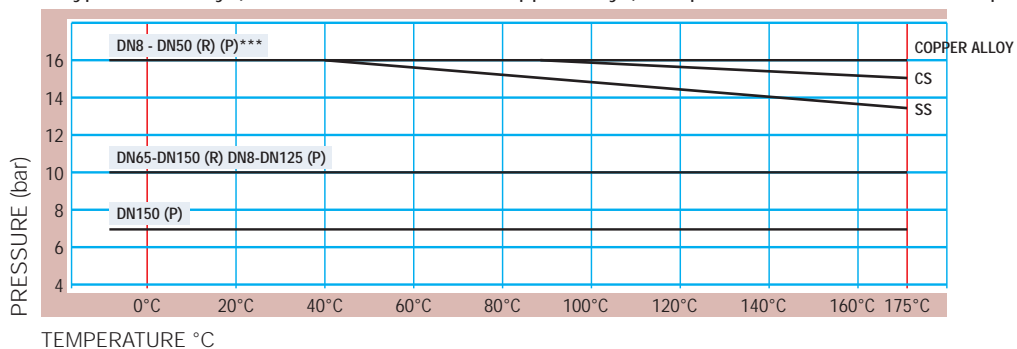
Temperature and Pressure Relationship



A Type Valve Body (SG Iron & Cast Iron) Temperature/Pressure Relationship



A Type Valve Body (Carbon Steel, St. Steel & Copper Alloys) Temperature/Pressure Relationship



Body Temperature Limit (°C)**		
-10°	HARD RUBBER LINED	85°
-10°	POLYPROPYLENE LINED (P.P.)	85°*
-10°	BUTYL RUBBER LINED	110°
-10°	ETHYLENE TETRAFLUOROETHYLENE (ETFE)	150°
-10°	CAST IRON: UNLINED, GLASS LINED & PTFE LINED	175°
-10°	SG IRON: UNLINED AND PFA LINED	175°
-30°	OTHER METALS: CARBON STEEL, STAINLESS STEEL, COPPER ALLOYS	175°

Temperature bands for diaphragms are shown as a guide only. Many aspects of service conditions will determine the highest working temperature. For example, 325 diaphragms have given excellent performance under certain conditions up to 150°C.

In certain applications the following temperature ratings apply:
SG: -20°C, SS: -30°C, GM: -30°C.

* Depends on body substrate material.

** When lined body is cast steel, minimum temperature is -30°C.

When SG Grade EN-GJS-400-18-LT is used, minimum temperature is -20°C.

*** 214S manual operation only.