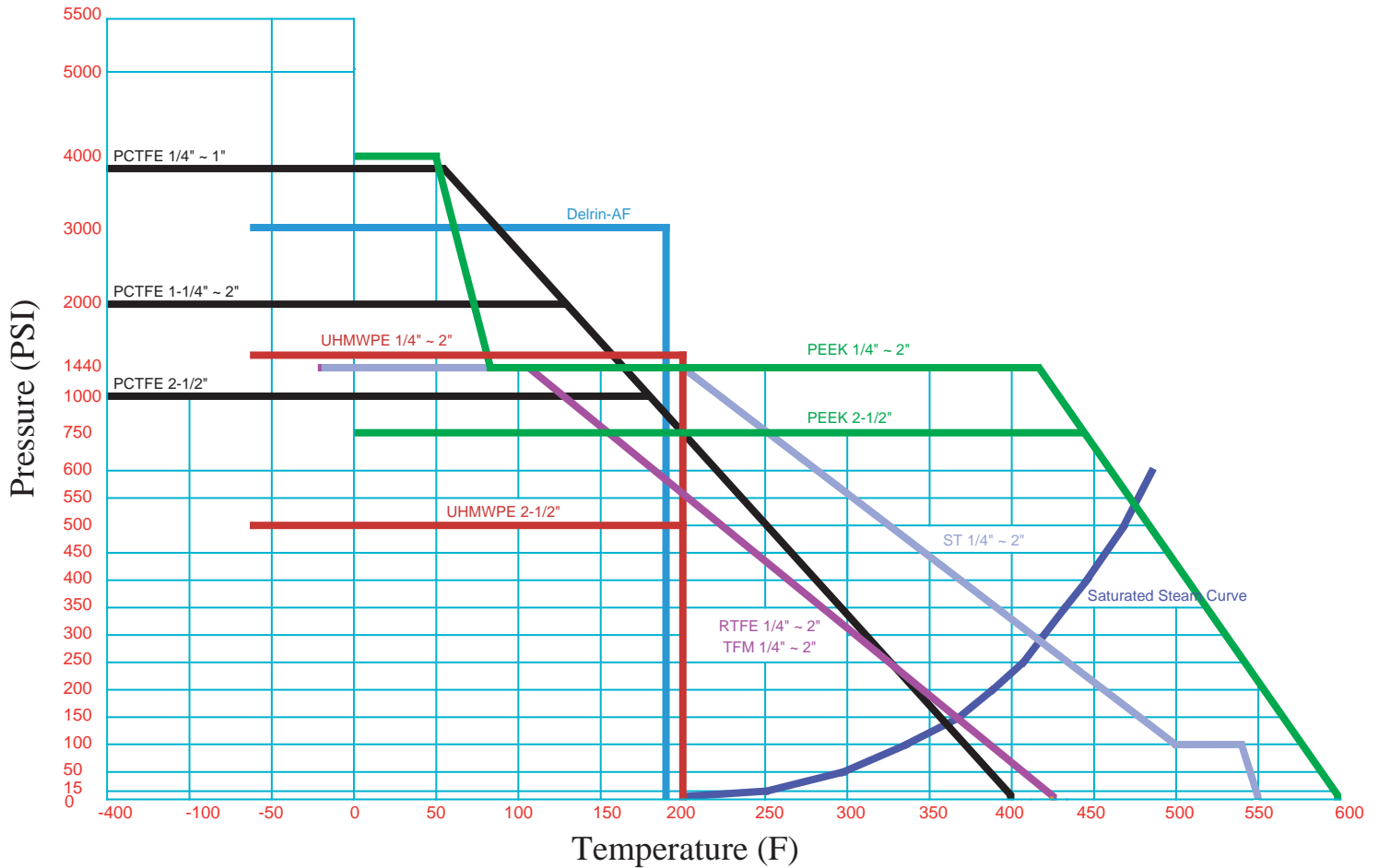


334 Data Sheet



Steam Specifications

Saturated Steam	
P.S.I.G.	°F
0	212
15	250
50	298
100	338
150	366
200	388
250	406
300	421
350	435
400	448
500	470
600	489

Steam Rating with ST Seats			
Valve Size	P.S.I.G.	°F	
1/2" F.B.	425	455	
3/4"	425	455	
1"	400	447	
1-1/4"	350	435	
1-1/2"	325	428	
2"	300	424	
2-1/2"	250	406	

ST Seat

Is an exclusive ball seating material that extends length of service from three to five times over conventional seats. ST is particularly recommended for use in high pressure steam lines, thermal fluid lines, or for any media having widely variable or excessive temperatures. ST seats can withstand temperatures to 550°F, pressures to 1440 psi and continuous saturated steam in excess of 450 psig.

Seat Material Specifications

Name	Material	Temperature (°F)	Pressure (Max)
PCTFE	Chlorotrifluoroethylene	-400 to 400°F	3800 psi
RTFE	TFE + 15% carbon	-20 to 425°F	1440 psi
TFM	Polytetrafluoroethylene	-20 to 425°F	1000 psi
ST	TFE + ekonol / carbon / graphite	-20 to 550°F	1440 psi
Delrin	Acetal Homopolymer	-60 to 180°F	3000 psi (up to 3/4") 2500 psi (1") 2000 psi (1-1/4" ~ 2-1/2")
UHMWPE	Polyethylene	-60 to 200°F	1500 psi
PEEK	Poly Ether Ether Ketone	0 to 600°F	4000 psi (up to 1/2") 3500 psi (3/4" ~ 1") 3000 psi (1-1/4" ~ 2")

NOTE: This table is provided as an indication of service range.
Not all seats are considered applicable to high purity service