

<b>SERVICE ENVELOPE</b>	<b>F84 AND F85 SERIES</b>	
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ORIFICE SIZE			-1	-2	-3	-4	-4	-6(D)	-8(E)	-F	-G	-H	-J
ORIFICE DIA. (IN)			.062"	.138"	.209"	.289"	.289"	.436"	.577"	.718"	.919"	1.149"	1.467"
ORIFICE AREA, (IN <sup>2</sup> )			.003	.015	.034	.065	.065	.149	.261	.405	.664	1.036	1.689
	MICRO BODY	BRASS	6,600	4072	890	350	—	—	—	—	—	—	—
		CS	10,313	4072 *	890	350	—	—	—	—	—	—	—
		SS	10,313	4072 *	890	350	—	—	—	—	—	—	—
MAX SET PRESSURE (PSIG)	MED BODY	BRASS	—	—	—	—	3500	2900	1125	—	—	—	—
		CS	—	—	—	—	4921	2900	1125	—	—	—	—
		SS	—	—	—	—	4921	2900	1125	—	—	—	—
MAX SET PRESSURE (PSIG)	LARGE BODY	BRASS	—	—	—	—	5000	4500	2600	500	500	382	298
		CS	—	—	—	—	9612	5774	4292	839	668	382	298
		SS	—	—	—	—	9612	5774	4292	839	668	382	298
MAX SET PRESSURE (PSIG)	EXTRA LARGE BODY	BRASS	—	—	—	—	—	—	—	—	—	450	450
		CS	—	—	—	—	—	—	—	5000	3705	2750	2700
		SS	—	—	—	—	—	—	—	5000	3705	2750	2700
SERVICE TEMP RANGE (°F)	F84	BRASS	-325 TO 406	-325 TO 406	-325 TO 406								
		CS	-20 TO 525	-20 TO 525	-20 TO 525								
		SS	-423 TO 525	-423 TO 525	-423 TO 525								
SERVICE TEMP RANGE (°F)	F85	BRASS	-65 TO 406	-65 TO 406	-65 TO 406								
		CS	-20 TO 500	-20 TO 500	-20 TO 500								
		SS	-65 TO 500	-65 TO 500	-65 TO 500								

MICRO – Integral body and bonnet (small)  
 MED – Integral body and bonnet (medium)  
 LARGE – Bolted bonnet for intermediate pressure service  
 X-LARGE – Bolted bonnet for high pressure service  
 NACE trim available in accordance with MR0175  
 \* 2-piece body/bonnet design available to 9944 psig

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	TEMPERATURE (°F)	PRESSURE (PSIG)			
VALVE SERIES	MATERIAL	MAX	MIN	MAX	MIN
F84 PLASTIC SEAT	VESPEL	400	-423	9612	4000
F84 PLASTIC SEAT	PEEK	525	0	9612	500
F84 PLASTIC SEAT	TEFLON®	400	-423	1000	15
F84 PLASTIC SEAT	KEL-F	400	-423	4000	900
F85 ELASTOMER SEAT	BUNA-N	275	-30	1500	15
F85 ELASTOMER SEAT	VITON®	400	-30	1500	15
F85 ELASTOMER SEAT	ETHYL PROP	325	-65	2500	15
F85 ELASTOMER SEAT	KALREZ®	500	0	2500	15
F85 ELASTOMER SEAT	POLYURETHANE	225	-60	10,313	1,500

FOR LOWER PRESSURES, TEMPERATURES AND CHEMICAL COMPATABILITY CONSULT **FLOW SAFE** ENGINEERING.  
 TEFLON®, VITON®, AND KALREZ® ARE REGISTERED TRADEMARKS OF THE E.I. DUPONT DE NEMOURS COMPANY.