

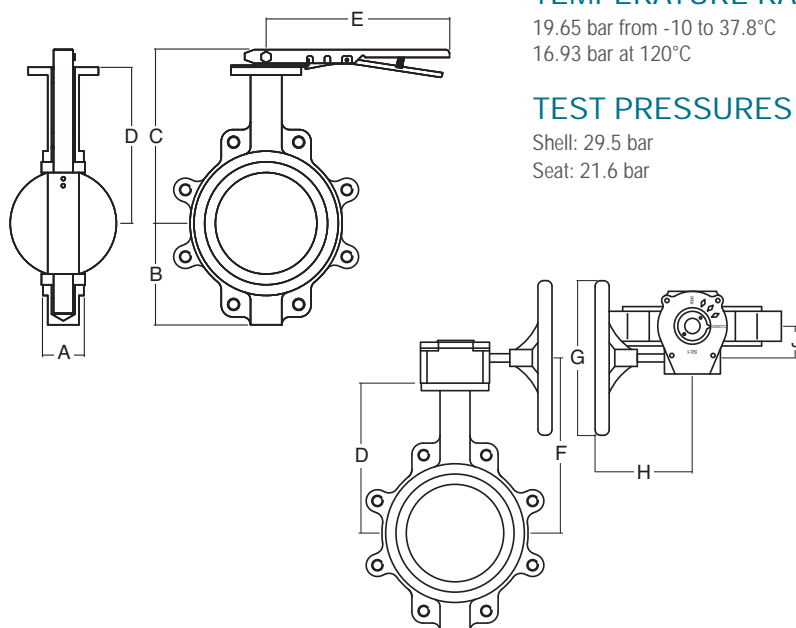
**Fig. 980 ANSI**  
**Ductile Iron Fully Lugged Butterfly Valve Class 150**



**MATERIAL SPECIFICATION**

Component	Material	Specification	
		BS EN	ASTM
Body	Ductile Iron	1563 EN-JS1040	A536 65-45-12
Operating Shaft	Stainless Steel	10088-1 X12Cr13	A276 410
Disc	Al Bronze	12165 CW307G	B150 C63000
Taper pins	Stainless Steel	10088-1 X5CrNiMo17-12-2	A276 316
Bushes	EDPM	-	-
O-Ring	Buna N	-	-
Liner	EPDM	-	-

**DIMENSIONAL DRAWINGS**



**PRESSURE/TEMPERATURE RATING**

19.65 bar from -10 to 37.8°C  
16.93 bar at 120°C

**TEST PRESSURES**

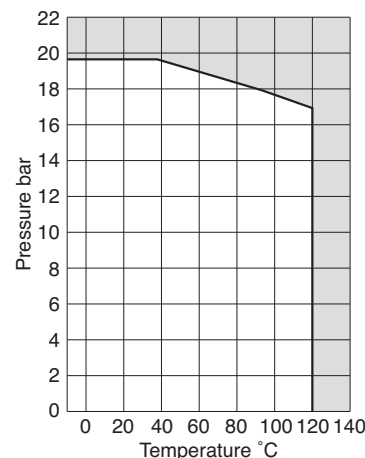
Shell: 29.5 bar  
Seat: 21.6 bar

**SPECIFICATION**

Generally conforms to BS EN 593.  
Ductile Iron body epoxy coated.  
Fully lugged.  
Aluminium bronze disc.  
EPDM liner phenolic backed.  
Trigger Lever.  
Valves DN200 and larger supplied as standard with fully enclosed gear operator.  
Suitable for fitting between flanges to ANSI B16.1 Class 125 and 150.  
Valves may be used for flow regulation.

**DIMENSIONS & WEIGHTS**

Nom Size	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A	mm	162	175	181	200	213	225	260	292	337	368	400	422	479	562
B	mm	83	95	102	124	136	150	197	210	248	279	305	381	381	457
C	mm	44	48	48	54	57	57	63	70	79	79	89	108	133	156
D	mm	42	42	42	42	42	42	40	40	40	40	-	-	-	-
E	mm	102	121	130	171	197	219	268	332	410	435	508	543	592	708
F	mm	150	150	150	150	300	300	300	300	300	300	450	450	450	450
G	mm	32	46	64	90	111	145	193	241	290	325	380	427	474	574
K	mm	240	240	240	240	240	240	230	230	230	230	277	277	321	335
Weight	kg	15.5	16	18.7	24.1	25	26.4	36.7	47.1	62.1	84.9	123.8	139.7	215.5	337.3



Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Hattersley Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.