

1900 BELLOWS MATERIAL REFERENCE CHART Rev.8 - September 2004

INFORMATION PROVIDED HEREIN DETAILS BY VALVE ORIFICE AND PRESSURE CLASS THE BELLOWS THAT HAVE BEEN SUPPLIED TO DATE. CURRENTLY DRESSER'S STANDARD CATALOGED MATERIAL FOR CONSOLIDATED 1900 PRESSURE RELIEF VALVES IS 316ST * 316 ST * INCONEL 625 LCF (NOT QUALIFIED FOR NACE.)

APPLICATION REFERENCES HEREIN ARE GENERAL GUIDES ONLY. DRESSER SHOULD BE CONSULTED FOR ACTUAL PART NUMBER SELECTION BASED ON VALVE'S APPLICATION SPECIFICATIONS.

INFORMATION HEREIN IS NOT WARRANTED AND MAY CHANGE WITHOUT NOTICE.

ORIFICE INDEX

	D & E -2; F-1,-2	G
D & E -1		
H	J	K
L	M	N
P	Q	R
T	V	W



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1900 BELLOWS D & E -1,-3 ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS						
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912 1922	1914 1924	1916 1926	1918 1928
A	B	B	LP	4659801	4659801	4659801	4659801	4659901	4659901	4660101
C	D	D	LP	4659809	4659809	4659809	4659809			
F	F	F	LP	4659807	4659807	4659807	4659807	4659906	4659906	
A	B	E	HP	4659808	4659808	4659808	4659808			4660105
A	B	B	HP	4659802	4659802	4659802	4659802	4659902	4659902	4660102
C	D	D	HP	4659803	4659803	4659803	4659803	4659903	4659903	4660103
F	F	F	HP	4659805	4659805	4659805	4659805	4659904	4659904	4660104
A	B	E	HP	4659806	4659804	4659804	4659804	4659905	4659905	
E	E	E	HP	4659804	4659804	4659804	4659804			
A	B	L	LP	4659810	4659810	4659810	4659810			
G	G	G	LP	4659811	4659811	4659811	4659811			
A	B	E	XLP	4659812	4659812	4659812	4659812			
E	E	E	LP	4659813	4659813	4659813	4659813			
E	E	E	LP, HY	4659814	4659814	4659814	4659814			
B	B	E	LP, SG	4659815	4659815	4659815	4659815	4659907	4659907	4660107
B	B	M	LP, SG	4659830	4659830	4659830	4659830	4659916	4659916	4660113
B	B	E	HP, SG	4659816	4659816	4659816	4659816	4659908	4659908	4660108
B	B	M	HP, SG	4659831	4659831	4659831	4659831	4659917	4659917	4660114
F	F	F	LP	4659817	4659817	4659817	4659817			
H	H	H	LP	4659818	4659818	4659818	4659818			
B	B	B	HP	4659819	4659819	4659819	4659819			4660106
B	B	E	LP	4659820	4659820	4659820	4659820	4659911	4659911	4660109
B	B	E	HP	4659821	4659821	4659821	4659821	4659912	4659912	4660110
B	B	M	LP	4659828	4659828	4659828	4659828	4659914	4659914	4660111
B	B	M	HP	4659829	4659829	4659829	4659829	4659915	4659915	4660112
B	B	B	LP	4659822	4659822	4659822	4659822			
L	L	L	HP	4659823	4659823	4659823	4659823			

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP	- HIGH PRESSURE APPLICATIONS
LP	- LOW PRESSURE APPLICATIONS
SG	- NACE QUALIFIED
HY	- SPECIAL HYDRO
XLP	- EXTRA LOW PRESSURE
XHP	- EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS D&E-2 -4, F-1,-2 ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS								
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912	1914 1924	1922	1916 1926	1918	1928
A	B	B	LP	4659801	4659801	4659801	4659901	4660001	4659801	4660001	4660101	
A	B	B	HP	4659802	4659802	4659802	4659902	4660002	4659802	4660002	4660102	
C	D	D	HP	4659803	4659803	4659803	4659903	4660003	4659803	4660003	4660103	
E	E	E	HP	4659804	4659804	4659804		4660006	4659804	4660006		
F	F	F	HP	4659805	4659805	4659805	4659904	4660004	4659805	4660004	4660104	
A	B	E	HP	4659806	4659806	4659806	4659905	4660005	4659806	4660005		
F	F	F	LP	4659807	4659807	4659807	4659906		4659807			
A	B	E	LP	4659808	4659808	4659808			4659808		4660105	
C	D	D	LP	4659809	4659809	4659809			4659809			
A	B	L	HP	4659810	4659810	4659810			4659810			
G	G	G	LP	4659811	4659811	4659811			4659811			
A	B	E	XLP	4659812	4659812	4659812			4659812			
E	E	E	LP	4659813	4659813	4659813			4659813			
E	E	E	LP	4659814	4659814	4659814			4659814			
B	B	E	LP SG	4659815	4659815	4659815	4659907	4660009	4659815	4660009	4660107	
B	B	M	LP SG	4659830	4659830	4659830	4659916	4660017	4659830	4660017	4660113	
B	B	E	HP SG	4659816	4659816	4659816	4659908	4660010	4659816	4660010	4660108	
B	B	M	HP SG	4659831	4659831	4659831	4659917	4660018	4659831	4660018	4660114	
C	C	C J	LP	4659817	4659817	4659817			4659817			
H	H	H	LP	4659818	4659818	4659818			4659818			
B	B	B	HP	4659819	4659819	4659819			4659819			
B	B	E	LP	4659820	4659820	4659820	4659911	4660012	4659820	4660012	4660109	
B	B	M	LP	4659828	4659828	4659828	4659914	4660014	4659828	4660014	4660111	
B	B	B	LP	4659822	4659822	4659822			4659822			
B	B	E	HP	4659821	4659821	4659821	4659912	4660013	4659821	4660013	4660110	
B	B	M	HP	4659829	4659829	4659829	4659915	4660015	4659829	4660015	4660112	
L	L	E	XHP				4659909					
L	L	E	HP				4659910					
G	G	G	HP					4660007		4660007		
B	B	E	XHP					4660011		4660011		
L	L	L	HP	4659823	4659823	4659823			4659823			

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP	- FOR HIGH PRESSURE APPLICATIONS
LP	- FOR LOW PRESSURE APPLICATIONS
SG	-NACE QUALIFIED
HY	- SPECIAL HYDRO
XLP	- EXTRA LOW PRESSURE
XHP	- EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS G-1 -2 -3 ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS						
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912 1922	1914 1924	1916 1926	1918 1928
A	B	B	LP	4660201	4660201	4660201	4660301	4660401	4660401	4660401
A	B	B	HP	4660202	4660202	4660202	4660302	4660402	4660402	4660402
C	D	D	HP	4660203	4660203	4660203	4660303	4660403	4660403	4660403
F	F	F	HP	4660204	4660204	4660204	4660304	4660404	4660404	4660404
A	B	E	HP	4660205	4660205	4660205	4660305	4660405	4660405	4660405
C	D	D	LP	4660206	4660206	4660206				
F	F	F	LP	4660207	4660207	4660207				
A	B	E	LP	4660208	4660208	4660208				
B	B	E	LP SG	4660209	4660209	4660209	4660306	4660406	4660406	4660406
B	B	M	LP SG	4660220	4660220	4660220	4660313	4660413	4660413	4660413
B	B	E	HP SG	4660210	4660210	4660210	4660307	4660407	4660407	4660407
B	B	M	HP SG	4660221	4660221	4660221	4660314	4660414	4660414	4660414
F	F	F J	LP	4660211	4660211	4660211				
H	H	H	HP	4660212	4660212	4660212				
L	L	L	HP	4660213	4660213	4660213				
B	B	E	LP	4660214	4660214	4660214	4660308	4660409	4660409	4660409
B	B	M	LP	4660218	4660218	4660218	4660311	4660411	4660411	4660411
B	B	E	HP	4660215	4660215	4660215	4660309	4660410	4660410	4660410
B	B	M	HP	4660219	4660219	4660219	4660312	4660412	4660412	4660412
B	B	B	HP	4660217	4660217	4660217	4660310			
B	B	B	LP	4660216	4660216	4660216				

Material Codes

A 304 ST ST
 B 316L ST ST
 C Monel B164 GR NO4400
 D Monel B127 GR NO4400
 E INCONEL 625
 F HASTELLOY C
 G HASTELLOY B

H ALLOY 20
 J TEFLON COATED
 K Incoloy 825
 L Inconel 600
 M Inconel 625 LCF
 N 304L ST ST

REMARK CODES

HP - FOR HIGH PRESSURE APPLICATIONS
 LP - FOR LOW PRESSURE APPLICATIONS
 SG-NACE QUALIFIED
 HY - SPECIAL HYDRO
 XLP - EXTRA LOW PRESSURE
 XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS H ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS						
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912 1922	1914	1924	1916 1926
A	B	B	LP	4660501	4660501	4660501	4660501	4660601	4660501	4660601
A	B	B	HP	4660502	4660502	4660502	4660502	4660602	4660502	4660602
C	D	D	HP	4660503	4660503	4660503	4660503	4660603	4660503	4660603
K	K	K	HP	4660504	4660504	4660504	4660504		4660504	
F	F	F	HP	4660505	4660505	4660505	4660505	4660604	4660505	4660604
A	B	E	HP SG	4660506	4660506	4660506	4660506		4660506	
F	F	F	LP	4660507	4660507	4660507	4660507		4660507	
C	D	C	LP	4660509	4660509	4660509	4660509		4660509	
A	B	E	LP	4660510	4660510	4660510	4660510		4660510	
E	E	E	LP	4660512	4660512	4660512	4660512		4660512	
E	E	E	HP	4660508	4660508	4660508	4660508		4660508	
E	E	E	HP HY	4660513	4660513	4660513	4660513		4660513	
B	B	B	HP	4660514	4660514	4660514	4660514		4660514	
B	B	E	LP SG	4660515	4660515	4660515	4660515	4660606	4660515	4660606
B	B	M	LP SG	4660527	4660527	4660527	4660527	4660612	4660527	4660612
B	B	E	HP SG	4660516	4660516	4660516	4660516	4660607	4660516	4660607
B	B	M	HP SG	4660528	4660528	4660528	4660528	4660613	4660528	4660613
F	F	F J	LP	4660517	4660517	4660517	4660517		4660517	
B	B	E	LP	4660518	4660518	4660518	4660518	4660608	4660518	4660608
B	B	M	LP	4660525	4660525	4660525	4660525	4660610	4660525	4660610
B	B	E	HP	4660519	4660519	4660519	4660519	4660609	4660519	4660609
B	B	M	HP	4660526	4660526	4660526	4660526	4660611	4660526	4660611
F	F	F	HP	4660520	4660520	4660520	4660520		4660520	
B	B	B	HP	4660521	4660521	4660521	4660521		4660521	
B	B	B	LP	4660522	4660522	4660522	4660522		4660522	
E	M	M	LP	4660523	4660523	4660523	4660523		4660523	
E	M	M	HP	4660524	4660524	4660524	4660524		4660524	

Material Codes

A 304 ST ST
 B 316L ST ST
 C Monel B164 GR NO4400
 D Monel B127 GR NO4400
 E INCONEL 625
 F HASTELLOY C
 G HASTELLOY B

H ALLOY 20
 J TEFLON COATED
 K Incoloy 825
 L Inconel 600
 M Inconel 625 LCF
 N 304L ST ST

REMARK CODES

HP - FOR HIGH PRESSURE APPLICATIONS
 LP - FOR LOW PRESSURE APPLICATIONS
 SG-NACE QUALIFIED
 HY - SPECIAL HYDRO
 XLP - EXTRA LOW PRESSURE
 XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS J-2, -3 -4 ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS						
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912	1922	1914 1924	1916 1926
A	B	B	LP	4660701	4660701	4660701	4660801	4660701	4660801	4660801
A	B	B	HP	4660702	4660702	4660702	4660802	4660702	4660802	4660802
C	D	D	HP	4660703	4660703	4660703	4660803	4660703	4660803	4660803
F	F	F	HP	4660704	4660704	4660704	4660804	4660704	4660804	4660804
A	B	E	HP	4660705	4660705	4660705	4660805	4660705	4660805	4660805
F	F	F	LP	4660706	4660706	4660706		4660706		
G	G	G	HP	4660707	4660707	4660707		4660707		
A	B	E	LP	4660708	4660708	4660708		4660708		
C	D	D	LP	4660709	4660709	4660709		4660709		
E	E	E	HP	4660710	4660710	4660710		4660710		
F	F	F J	LP	4660711	4660711	4660711		4660711		
B	B	E	LP SG	4660712	4660712	4660712	4660806	4660712	4660806	4660806
B	B	M	LP SG	4660725	4660725	4660725	4660812	4660725	4660812	4660812
B	B	E	HP SG	4660713	4660713	4660713	4660807	4660713	4660807	4660807
B	B	M	HP SG	4660726	4660726	4660726	4660813	4660726	4660813	4660813
E	E	E	LP HY	4660714	4660714	4660714		4660714		
H	H	H	LP	4660715	4660715	4660715		4660715		
E	E	E	LP	4660716	4660716	4660716		4660716		
B	E	M	HP	4660717	4660717	4660717		4660717		
B	B	E	LP	4660718	4660718	4660718	4660808	4660718	4660808	4660808
B	B	M	LP	4660723	4660723	4660723	4660810	4660723	4660810	4660810
B	B	E	HP	4660719	4660719	4660719	4660809	4660719	4660809	4660809
B	B	M	HP	4660724	4660724	4660724	4660811	4660724	4660811	4660811

Material Codes

A 304 ST ST
 B 316L ST ST
 C Monel B164 GR NO4400
 D Monel B127 GR NO4400
 E INCONEL 625
 F HASTELLOY C
 G HASTELLOY B

H ALLOY 20
 J TEFLON COATED
 K Incoloy 825
 L Inconel 600
 M Inconel 625 LCF
 N 304L ST ST

REMARK CODES

HP - FOR HIGH PRESSURE APPLICATIONS
 LP - FOR LOW PRESSURE APPLICATIONS
 SG-NACE QUALIFIED
 HY - SPECIAL HYDRO
 XLP - EXTRA LOW PRESSURE
 XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS K ORIFICE

Material			NOTES &	PRESSURE CLASS						
RING	FLANGE	BELLOWS	REMARKS	1905	1906	1910 1920	1912 1922	1914	1924	1916 1926
A	B	B	LP	4660901	4660901	4660901	4660901	4661010	4660901	4661010
A	B	B	HP	4660902	4660902	4660902	4660902	4661001	4660902	4661001
C	D	D	HP	4660903	4660903	4660903	4660903	4661002	4660903	4661002
K	K	K	HP	4660904	4660904	4660904	4660904	4661003	4660904	4661003
F	F	F	HP	4660905	4660905	4660905	4660905		4660905	
A	B	E	HP	4660906	4660906	4660906	4660906	4661004	4660906	4661004
E	E	E	HP	4660907	4660907	4660907	4660907	4661005	4660907	4661005
F	F	F	LP	4660908	4660908	4660908	4660908	4661006	4660908	4661006
C	D	D	LP	4660909	4660909	4660909	4660909		4660909	
L	L	L	HP	4660910	4660910	4660910	4660910		4660910	
A	B	E	LP	4660911	4660911	4660911	4660911		4660911	
B	B	E	LP SG	4660912	4660912	4660912	4660912	4661007	4660912	4661007
B	B	M	LP SG	4660921	4660921	4660921	4660921	4661015	4660921	4661015
B	B	E	HP SG	4660913	4660913	4660913	4660913	4661008	4660913	4661008
B	B	M	HP SG	4660922	4660922	4660922	4660922	4661016	4660922	4661016
B	B	E	LP	4660914	4660914	4660914	4660914	4661009	4660914	4661009
B	B	M	LP	4660916	4660916	4660916	4660916	4661013	4660916	4661013
B	B	E	HP	4660915	4660915	4660915	4660915	4661010	4660915	4661010
B	B	M	HP	4660920	4660920	4660920	4660920	4661014	4660920	4661014
B	B	B	LP	4660917	4660917	4660917	4660917		4660917	
B	B	B	HP	4660918	4660918	4660918	4660918	4661011	4660918	4661011
B	B	B	SPEC							

Material Codes

- A 304 ST ST
- B 316L ST ST
- C Monel B164 GR NO4400
- D Monel B127 GR NO4400
- E INCONEL 625
- F HASTELLOY C
- G HASTELLOY B

- H ALLOY 20
- J TEFLON COATED
- K Incoloy 825
- L Inconel 600
- M Inconel 625 LCF
- N 304L ST ST

REMARK CODES

- HP - FOR HIGH PRESSURE APPLICATIONS
- LP - FOR LOW PRESSURE APPLICATIONS
- SG-NACE QUALIFIED
- HY - SPECIAL HYDRO
- XLP - EXTRA LOW PRESSURE
- XHP - EXTRA HIGH PRESSURE
- SPEC-CONTACT FACTORY

CURRENT STANDARD MATERIAL

1900 BELLOWS L ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS					
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912 1922	1914 1924	1916 1926
A	B	B	LP	4661101	4661101	4661101	4661101	4661201	4661201
A	B	B	HP	4661102	4661102	4661102	4661102	4661203	4661203
C	D	D	HP	4661103	4661103	4661103	4661103		
K	K	K	HP	4661104	4661104	4661104	4661104	4661204	4661204
F	F	F	HP	4661105	4661105	4661105	4661105	4661205	4661205
A	B	E	HP	4661106	4661106	4661106	4661106		
C	D	D	LP	4661107	4661107	4661107	4661107		
F	F	F	LP	4661108	4661108	4661108	4661108		
E	E	E	HP	4661109	4661109	4661109	4661109		
A	B	E	LP	4661110	4661110	4661110	4661110		
G	G	G	HP	4661111	4661111	4661111	4661111		
E	E	E	LP	4661112	4661112	4661112	4661112		
FJ	FJ	FJ	LP	4661113	4661113	4661113	4661113		
B	B	E	LP SG	4661114	4661114	4661114	4661114	4661207	4661207
B	B	M	LP SG	4661123	4661123	4661123	4661123	4661213	4661213
B	B	E	HP SG	4661115	4661115	4661115	4661115	4661208	4661208
B	B	M	HP SG	4661122	4661122	4661122	4661122	4661214	4661214
H	H	H	LP	4661116	4661116	4661116	4661116		
B	B	E	LP	4661117	4661117	4661117	4661117	4661209	4661209
B	B	M	LP	4661125	4661125	4661125	4661125	4661211	4661211
B	B	E	HP	4661118	4661118	4661118	4661118	4661210	4661210
B	B	M	HP	4661124	4661124	4661124	4661124	4661212	4661212
A	B	E	XHP					4661206	4661206
B	B	B	LP	4661119	4661119	4661119	4661119		
B	B	B	HP	4661120	4661120	4661120	4661120		

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP - FOR HIGH PRESSURE APPLICATIONS
LP - FOR LOW PRESSURE APPLICATIONS
SG-NACE QUALIFIED
HY - SPECIAL HYDRO
XLP - EXTRA LOW PRESSURE
XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS M ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS				
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912 1922	1914 1924
A	B	B	LP	4661301	4661301	4661301	4661301	4661301
A	B	B	HP	4661302	4661302	4661302	4661302	4661302
C	D	D	HP	4661303	4661303	4661303	4661303	4661303
K	K	K	HP	4661304	4661304	4661304	4661304	4661304
F	F	F	HP	4661305	4661305	4661305	4661305	4661305
A	B	E	HP	4661306	4661306	4661306	4661306	4661306
F	F	F	LP	4661307	4661307	4661307	4661307	4661307
C	D	D	LP	4661308	4661308	4661308	4661308	4661308
E	E	E	XHP	4661309	4661309	4661309	4661309	4661309
E	E	E	LP	4661310	4661310	4661310	4661310	4661310
E	E	E	HP	4661311	4661311	4661311	4661311	4661311
A	B	E	LP	4661312	4661312	4661312	4661312	4661312
A	B	B	HP	4661313	4661313	4661313	4661313	4661313
B	B	E	LP SG	4661314	4661314	4661314	4661314	4661314
B	B	M	LP SG	4661322	4661322	4661322	4661322	4661322
B	B	E	HP SG	4661315	4661315	4661315	4661315	4661315
B	B	M	HP SG	4661323	4661323	4661323	4661323	4661323
B	B	E	LP	4661316	4661316	4661316	4661316	4661316
B	B	M	LP	4661318	4661318	4661318	4661318	4661318
B	B	E	HP	4661317	4661317	4661317	4661317	4661317
B	B	M	HP	4661321	4661321	4661321	4661321	4661321
B	B	B	HP	4661319	4661319	4661319	4661319	4661319
B	B	B	LP	4661320	4661320	4661320	4661320	4661320

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP	- FOR HIGH PRESSURE APPLICATIONS
LP	- FOR LOW PRESSURE APPLICATIONS
SG	-NACE QUALIFIED
HY	- SPECIAL HYDRO
XLP	- EXTRA LOW PRESSURE
XHP	- EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS N ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS				
RING	FLANGE	BELLOWS		1905	1906	1910 1920	1912 1922	1914 1924
A	B	B	LP	4661401	4661401	4661401	4661401	4661401
A	D	B	HP	4661402	4661402	4661402	4661402	4661402
C	C	C	HP	4661403	4661403	4661403	4661403	4661403
F	F	F	HP	4661404	4661404	4661404	4661404	4661404
A	B	E	HP	4661405	4661405	4661405	4661405	4661405
B	B	E	HP SG	4661406	4661406	4661406	4661406	4661406
B	B	M	HP SG	4661422	4661422	4661422	4661422	4661422
B	B	B	XHP	4661407	4661407	4661407	4661407	4661407
C	D	D	LP	4661408	4661408	4661408	4661408	4661408
F	F	F	LP	4661409	4661409	4661409	4661409	4661409
A	B	E	LP	4661410	4661410	4661410	4661410	4661410
E	E	E	HP	4661411	4661411	4661411	4661411	4661411
B	B	E	LP SG	4661412	4661412	4661412	4661412	4661412
B	B	M	LP SG	4661421	4661421	4661421	4661421	4661421
E	E	E	LP SG	4661413	4661413	4661413	4661413	4661413
M	M	M	HP	4661414	4661414	4661414	4661414	4661414
B	B	E	LP	4661415	4661415	4661415	4661415	4661415
B	B	M	LP	4661419	4661419	4661419	4661419	4661419
B	B	B	LP	4661417	4661417	4661417	4661417	4661417
B	B	E	HP	4661416	4661416	4661416	4661416	4661416
B	B	M	HP	4661420	4661420	4661420	4661420	4661420
B	B	B	HP	4661418	4661418	4661418	4661418	4661418

Material Codes

A 304 ST ST
 B 316L ST ST
 C Monel B164 GR NO4400
 D Monel B127 GR NO4400
 E INCONEL 625
 F HASTELLOY C
 G HASTELLOY B

H ALLOY 20
 J TEFLON COATED
 K Incoloy 825
 L Inconel 600
 M Inconel 625 LCF
 N 304L ST ST

REMARK CODES

HP - FOR HIGH PRESSURE APPLICATIONS
 LP - FOR LOW PRESSURE APPLICATIONS
 SG-NACE QUALIFIED
 HY - SPECIAL HYDRO
 XLP - EXTRA LOW PRESSURE
 XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS P ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS							
RING	FLANGE	BELLOWS		1905	1906	1910	1912	1914	1920	1923	1924
A	B	B	LP	4661501	4661501	4661501	4661601	4661601	4661501	4661601	4661601
A	B	B	HP	4661502	4661502	4661502	4661602	4661602	4661502	4661602	4661602
C	D	D	HP	4661503	4661503	4661503	4661603	4661603	4661503	4661603	4661603
F	F	F	HP	4661504	4661504	4661504	4661605	4661605	4661504	4661605	4661605
A	B	E	HP	4661505	4661505	4661505	4661606	4661606	4661505	4661606	4661606
A	B	B	XHP	4661506	4661506	4661506			4661506		
A	B	E	LP	4661507	4661507	4661507			4661507		
C	D	D	LP	4661508	4661508	4661508			4661508		
F	F	F	LP	4661509	4661509	4661509			4661509		
A	B	B	XHP	4661510	4661510	4661510			4661510		
E	E	E	HP	4661511	4661511	4661511			4661511		
A	B	B	XXHP	4661512	4661512	4661512			4661512		
E	E	E	LP	4661513	4661513	4661513			4661513		
E	E	E	LP HY	4661514	4661514	4661514			4661514		
B	B	E	LP SG	4661515	4661515	4661515	4661608	4661608	4661515	4661608	4661608
B	B	M	LP SG	4661526	4661526	4661526	4661615	4661615	4661526	4661615	4661615
B	B	E	HP SG	4661516	4661516	4661516	4661609	4661609	4661516	4661609	4661609
B	B	M	HP SG	4661527	4661527	4661527	4661616	4661616	4661527	4661616	4661616
A	A	A	HP	4661517	4661517	4661517			4661517		
A	A	A	HP	4661518	4661518	4661518			4661518		
B	B	E	LP	4661519	4661519	4661519	4661610	4661610	4661519	4661610	4661610
B	B	M	LP	4661524	4661524	4661524	4661613	4661613	4661524	4661613	4661613
B	B	E	HP	4661520	4661520	4661520	4661611	4661611	4661520	4661611	4661611
B	B	M	HP	4661525	4661525	4661525	4661614	4661614	4661525	4661614	4661614
B	B	E	XHP				4661604	4661604		4661604	4661604
B	B	L	XHP				4661607	4661607		4661607	4661607
B	B	EJ	LP	4661521	4661521	4661521					
B	B	B	LP	4661522	4661522	4661522					

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP	- FOR HIGH PRESSURE APPLICATIONS
LP	- FOR LOW PRESSURE APPLICATIONS
SG	-NACE QUALIFIED
HY	- SPECIAL HYDRO
XLP	- EXTRA LOW PRESSURE
XHP	- EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS Q ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS					
RING	FLANGE	BELLOWS		1905	1906	1910	1912	1920	1922
A	B	A	LP	4661701	4661701	4661701	4661701	4661701	4661701
A	B	A	HP	4661702	4661702	4661702	4661702	4661702	4661702
C	D	D	HP	4661703	4661703	4661703	4661703	4661703	4661703
F	F	F	HP	4661704	4661704	4661704	4661704	4661704	4661704
A	B	E	HP	4661705	4661705	4661705	4661705	4661705	4661705
B	B	E	HP	4661706	4661706	4661706	4661706	4661706	4661706
K	K	K	HP	4661707	4661707	4661707	4661707	4661707	4661707
E	E	E	HP	4661708	4661708	4661708	4661708	4661708	4661708
E	E	E	LP	4661709	4661709	4661709	4661709	4661709	4661709
B	B	B	HP	4661710	4661710	4661710	4661710	4661710	4661710
C	D	D	LP	4661711	4661711	4661711	4661711	4661711	4661711
F	F	F	LP	4661712	4661712	4661712	4661712	4661712	4661712
B	B	L	XHP	4661713	4661713	4661713	4661713	4661713	4661713
A	B	E	LP	4661714	4661714	4661714	4661714	4661714	4661714
B	B	E	XHP	4661715	4661715	4661715	4661715	4661715	4661715
E	E	E	LP	4661716	4661716	4661716	4661716	4661716	4661716
B	B	E	LP SG	4661717	4661717	4661717	4661717	4661717	4661717
B	B	M	LP SG	4661727	4661727	4661727	4661727	4661727	4661727
B	B	E	HP SG	4661718	4661718	4661718	4661718	4661718	4661718
B	B	M	HP SG	4661724	4661724	4661724	4661724	4661724	4661724
N	N	N	HP	4661719	4661719	4661719	4661719	4661719	4661719
N	N	N	LP	4661720	4661720	4661720	4661720	4661720	4661720
B	B	E	LP	4661721	4661721	4661721	4661721	4661721	4661721
B	B	M	LP	4661725	4661725	4661725	4661725	4661725	4661725
B	B	E	HP	4661722	4661722	4661722	4661722	4661722	4661722
B	B	M	HP	4661726	4661726	4661726	4661726	4661726	4661726
B	B	B	LP	4661723	4661723	4661723	4661723	4661723	4661723

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP	- FOR HIGH PRESSURE APPLICATIONS
LP	- FOR LOW PRESSURE APPLICATIONS
SG	- NACE QUALIFIED
HY	- SPECIAL HYDRO
XLP	- EXTRA LOW PRESSURE
XHP	- EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS R ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS					
RING	FLANGE	BELLOWS		1905	1906	1910	1912	1920	1922
A	B	B	LP	4661801	4661801	4661801	4661801	4661801	4661801
A	B	B	HP	4661802	4661802	4661802	4661802	4661802	4661802
C	D	D	HP	4661803	4661803	4661803	4661803	4661803	4661803
F	F	F	HP	4661804	4661804	4661804	4661804	4661804	4661804
A	B	E	HP	4661805	4661805	4661805	4661805	4661805	4661805
A	B	E	LP	4661806	4661806	4661806	4661806	4661806	4661806
C	D	D	LP	4661807	4661807	4661807	4661807	4661807	4661807
A	B	B	XHP	4661808	4661808	4661808	4661808	4661808	4661808
F	F	F	LP	4661809	4661809	4661809	4661809	4661809	4661809
C	D	D	XHP	4661810	4661810	4661810	4661810	4661810	4661810
E	E	E	LP	4661813	4661813	4661813	4661813	4661813	4661813
B	B	E	LP SG	4661814	4661814	4661814	4661814	4661814	4661814
B	B	M	LP SG	4661823	4661823	4661823	4661823	4661823	4661823
B	B	E	HP SG	4661815	4661815	4661815	4661815	4661815	4661815
B	B	M	HP SG	4661824	4661824	4661824	4661824	4661824	4661824
E	E	E	HP	4661816	4661816	4661816	4661816	4661816	4661816
B	B	E	LP	4661817	4661817	4661817	4661817	4661817	4661817
B	B	M	LP	4661821	4661821	4661821	4661821	4661821	4661821
B	B	E	HP	4661818	4661818	4661818	4661818	4661818	4661818
B	B	M	HP	4661822	4661822	4661822	4661822	4661822	4661822
B	B	B	HP	4661819	4661819	4661819	4661819	4661819	4661819
B	B	B	LP	4661820	4661820	4661820	4661820	4661820	4661820

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP	- FOR HIGH PRESSURE APPLICATIONS
LP	- FOR LOW PRESSURE APPLICATIONS
SG	-NACE QUALIFIED
HY	- SPECIAL HYDRO
XLP	- EXTRA LOW PRESSURE
XHP	- EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS T ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS				
RING	FLANGE	BELLOWS		1905	1906	1910	1920	1921
A	B	B	LP	4661901	4661901	4661901	4661901	4661901
A	B	B	HP	4661902	4661902	4661902	4661902	4661902
C	D	D	HP	4661903	4661903	4661903	4661903	4661903
F	F	F	HP	4661904	4661904	4661904	4661904	4661904
A	B	E	HP	4661905	4661905	4661905	4661905	4661905
K	K	K	HP	4661906	4661906	4661906	4661906	4661906
A	B	E	LP	4661907	4661907	4661907	4661907	4661907
C	D	D	LP	4661908	4661908	4661908	4661908	4661908
E	E	E	HP	4661909	4661909	4661909	4661909	4661909
B	B	B	HP	4661910	4661910	4661910	4661910	4661910
F	F	F	LP	4661911	4661911	4661911	4661911	4661911
E	E	E	LP SG	4661912	4661912	4661912	4661912	4661912
E	E	E	LP HY	4661913	4661913	4661913	4661913	4661913
B	B	E	LP SG	4661914	4661914	4661914	4661914	4661914
B	B	M	LP SG	4661921	4661921	4661921	4661921	4661921
B	B	E	HP SG	4661915	4661915	4661915	4661915	4661915
B	B	M	HP SG	4661922	4661922	4661922	4661922	4661922
B	B	E	LP	4661916	4661916	4661916	4661916	4661916
B	B	M	LP	4661919	4661919	4661919	4661919	4661919
B	B	E	HP	4661917	4661917	4661917	4661917	4661917
B	B	M	HP	4661920	4661920	4661920	4661920	4661920
B	B	B	HP	4661818	4661818	4661818	4661818	4661818

Material Codes

A	304 ST ST	H	ALLOY 20
B	316L ST ST	J	TEFLON COATED
C	Monel B164 GR NO4400	K	Incoloy 825
D	Monel B127 GR NO4400	L	Inconel 600
E	INCONEL 625	M	Inconel 625 LCF
F	HASTELLOY C	N	304L ST ST
G	HASTELLOY B		

REMARK CODES

HP - FOR HIGH PRESSURE APPLICATIONS
 LP - FOR LOW PRESSURE APPLICATIONS
 SG-NACE QUALIFIED
 HY - SPECIAL HYDRO
 XLP - EXTRA LOW PRESSURE
 XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL

1900 BELLOWS V ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS							
UPPER FLANGE	LOWER FLANGE	BELLOWS		1905	1906	1910	1912	1914	1916	1918	1920
A	A	B	HP	4950701	4950701	4950701					4950701
B	B	E	HP SG	4950702	4950702	4950702					4950702
B	B	M	HP SG	4950705	4950705	4950705					4950705
B	B	E	HP	4950703	4950703	4950703					4950703
B	B	M	HP	4950704	4950704	4950704					4950704

1900 BELLOWS W ORIFICE

Material			NOTES & REMARKS	PRESSURE CLASS							
UPPER FLANGE	LOWER FLANGE	BELLOWS		1905	1906	1910	1912	1914	1916	1918	1920
A	A	B	HP	4866002	4866002	4866002					4866002
B	B	E	HP SG	4866004	4866004	4866004					4866004
B	B	M	HP SG	4866009	4866009	4866009					4866009
B	B	E	LP	4866005	4866005	4866005					4866005
B	B	E	HP	4866007	4866007	4866007					4866007
B	B	M	HP	4866008	4866008	4866008					4866008

Material Codes

A 304 ST ST
 B 316L ST ST
 C Monel B164 GR NO4400
 D Monel B127 GR NO4400
 E INCONEL 625
 F HASTELLOY C
 G HASTELLOY B

H ALLOY 20
 J TEFLON COATED
 K Incoloy 825
 L Inconel 600
 M Inconel 625 LCF
 N 304L ST ST

REMARK CODES

HP - HIGH PRESSURE APPLICATIONS
 LP - LOW PRESSURE APPLICATIONS
 SG-NACE QUALIFIED
 HY - SPECIAL HYDRO
 XLP - EXTRA LOW PRESSURE
 XHP - EXTRA HIGH PRESSURE

CURRENT STANDARD MATERIAL