

PILLAR Insulation Material Series PILAFLOTM PTFE Envelope Gasket



PTFE envelope gasket with the corrosion resistance of PTFE and elasticity in the non-asbestos jointing sheet



This gasket features a soft filler (such as a non-asbestos sheet) enveloped between PILAFLOTM sheets.

The chemical resistance and sealability of PILAFLOTM and the elasticity of soft fillers are combined to provide excellent performance.

Because the percentage of PILAFLOTM to the entire thickness is small, compared to PILAFLOTM solid gaskets, this product causes less stress relaxation even in high load conditions, providing excellent performance.

* PILAFLOTM is our trademark of molded products made of polytetrafluoroethylene (PTFE).

Product number representation

PILLAR No. **4430 AF**

Product number Soft filler classification

Main applications

- Maintenance hatches and tank covers for oil refineries and chemical plants
- Pipe flanges with glass/resin/porcelain linings
- Pipe flanges used for corrosive chemicals (liquid or gas)
- Other pipe flanges that require electrical insulation

Product numbers

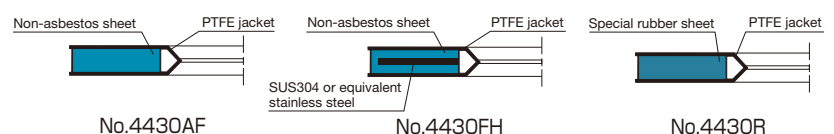
PILLAR No.	Name	Shape	Structure	Usage range	Standard dimensions
4410	Machined PILAFLO TM jacketed gasket		This product is a jacketed gasket that is manufactured by lathing a PILAFLO TM material so that its inner surface is right-angled and its cross-section is U-shaped, then inserting a soft filler into the U-shaped hole.	- 80 to + 120°C*1 2.0 MPaG*2	φ 30 to φ 500
4411	Machined PILAFLO TM jacketed gasket				
4420	Pressure-bonded PILAFLO TM jacketed gasket		This gasket is manufactured by covering its inner surface with PILAFLO TM tape and performing heat sealing at a single position. It is used for irregular-shaped objects with a large diameter (φ200 mm or more).	- 80 to + 120°C*1 2.0 MPaG*2	JIS 5K 10K 16K 20K 30K ASME Class 75 Class 150 Class 300
4421	Pressure-bonded PILAFLO TM jacketed gasket				
4430	Lip-shaped PILAFLO TM jacketed gasket		This product is a jacketed gasket manufactured by making a cut on a 1-mm-thick PILAFLO TM disk and inserting a soft filler.		
4431	Lip-shaped PILAFLO TM jacketed gasket				
4432	Lip-shaped PILAFLO TM jacketed gasket				

*1 -30 to +120°C for R *2 5.4 MPaG for FH

Soft filler classification

Soft filler configuration is classified into the following three types.

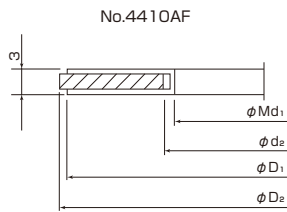
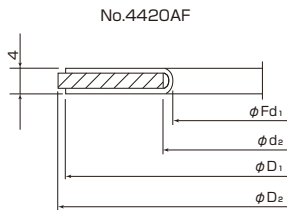
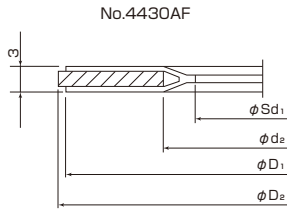
AF	The soft filler is made up of only a jointing sheet.
FH	The soft filler (jointing sheet) has SUS304 or equivalent stainless steel inserted in it.
R	The soft filler is made up of only a special rubber sheet.



PTFE Envelope Gasket

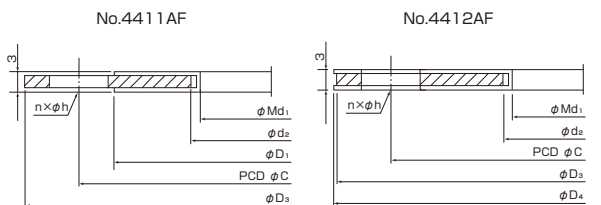
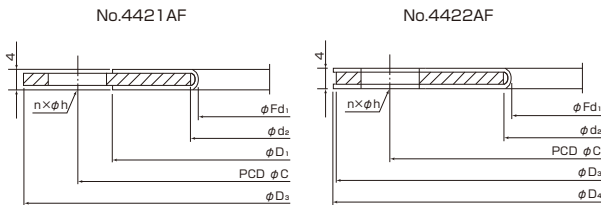
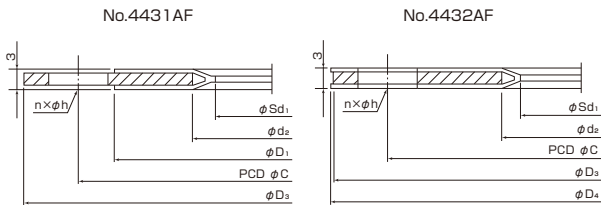
For JIS-rated pipe flanges

Nominal pressure: 5K and 10K



Nominal diameter	PTFE inside diameter			Soft filler inside diameter	Nominal pressure: 5K		Nominal pressure: 10K	
					PTFE outside diameter	Soft filler outside diameter	PTFE outside diameter	Soft filler outside diameter
	Sd ₁	Fd ₁	Md ₁	d ₂	D ₁	D ₂	D ₁	D ₂
10A	20	-	26	29	42	45	49	53
15	25	-	31	34	47	50	54	58
20	30	-	36	39	52	55	59	63
25	35	-	41	44	57	60	64	68
32	45	-	51	54	67	70	74	78
40	50	-	56	59	78	81	85	89
50	65	-	71	74	93	96	100	104
65	80	-	86	89	113	116	120	124
80	95	-	101	104	124	127	131	135
(90)	105	-	111	114	134	137	141	145
100	115	-	121	124	144	147	151	155
125	145	-	151	154	179	182	186	190
150	170	-	176	179	209	212	216	220
(175)	200	-	206	209	235	238	242	246
200	225	-	231	234	255	258	262	266
225	250	-	256	259	281	284	288	292
(250)	280	-	286	289	321	324	328	332
300	330	-	336	339	364	367	371	375
350	370	-	376	379	407	410	414	418
400	420	-	426	429	467	470	474	478
450	470	-	476	479	527	530	534	538
500	520	-	526	529	577	580	584	588
(550)	570	575	576	579	634	637	641	645
600	620	625	626	629	684	687	691	695
650	-	675	-	679	-	-	747	751
700	-	730	-	734	-	-	807	811
750	-	780	-	784	-	-	862	866
800	-	830	-	834	-	-	912	916
850	-	880	-	884	-	-	962	966
900	-	930	-	934	-	-	1012	1016
1000	-	1035	-	1039	-	-	1117	1121
1100	-	1135	-	1139	-	-	1227	1231
1200	-	1235	-	1239	-	-	1332	1336
1350	-	1385	-	1389	-	-	1487	1491
1500	-	1540	-	1544	-	-	1642	1646

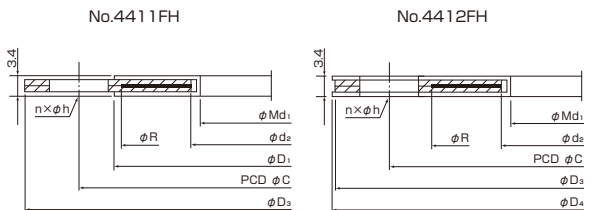
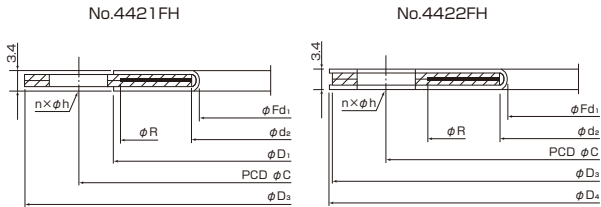
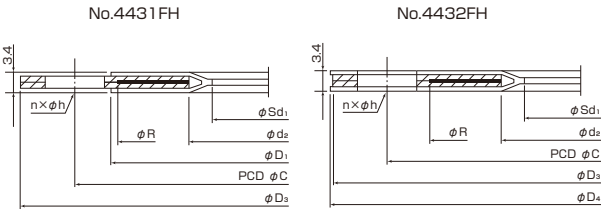
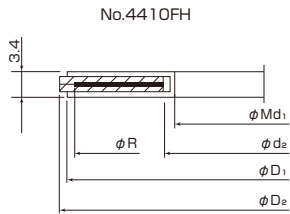
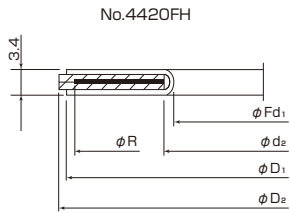
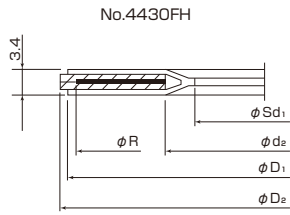
Note: Avoid using the nominal sizes enclosed in parentheses wherever possible.



Nominal diameter	PTFE inside diameter			Soft filler inside diameter	Nominal pressure: 5K						Nominal pressure: 10K					
					PTFE outside diameter		Soft filler outside diameter	Bolt hole		PTFE outside diameter		Soft filler outside diameter	Bolt hole			
	Sd ₁	Fd ₁	Md ₁	d ₂	D ₁	D ₂	D ₃	C	n	h	D ₁	D ₂	D ₃	C	n	h
10A	20	-	26	29	42	77	75	55	4	12	49	92	90	65	4	15
15	25	-	31	34	47	82	80	60	4	12	54	97	95	70	4	15
20	30	-	36	39	52	87	85	65	4	12	59	102	100	75	4	15
25	35	-	41	44	57	92	90	70	4	12	64	107	105	80	4	15
32	45	-	51	54	62	102	100	75	4	12	70	117	115	86	4	19
40	50	-	56	59	67	112	110	80	4	15	76	127	125	92	4	19
50	65	-	71	74	81	122	120	85	4	15	82	137	135	98	4	19
65	80	-	86	89	96	132	130	90	4	15	88	147	145	104	4	19
80	95	-	101	104	111	142	140	95	4	15	94	157	155	110	4	19
90	105	-	111	114	121	152	150	100	4	15	100	167	165	116	4	19
100	115	-	121	124	131	162	160	105	4	15	106	177	175	122	4	19
125	145	-	151	154	161	172	170	110	4	15	112	187	185	128	4	19
150	170	-	176	179	187	182	180	115	4	15	118	197	195	134	4	19
175	200	-	206	209	217	212	210	120	4	15	124	207	205	140	4	19
200	225	-	231	234	242	237	235	125	4	15	130	217	215	146	4	19
225	250	-	256	259	267	262	260	130	4	15	136	227	225	152	4	19
250	280	-	286	289	297	292	290	135	4	15	142	237	235	158	4	19
300	330	-	336	339	347	342	340	140	4	15	148	247	245	164	4	19
350	370	-	376	379	387	382	380	145	4	15	154	257	255	170	4	19
400	420	-	426	429	437	432	430	150	4	15	160	267	265	176	4	19
450	470	-	476	479	487	482	480	155	4	15	166	277	275	182	4	19
500	520	-	526	529	537	532	530	160	4	15	172	287	285	188	4	19
550	570	575	576	579	587	582	580	165	4	15	178	297	295	194	4	19
600	620	625	626	629	637	632	630	170	4	15	184	307	305	200	4	19
650	-	675	-	679	-	-	-	175	4	15	190	317	315	206	4	19
700	-	730	-	734	-	-	-	180	4	15	196	327	325	212	4	19
750	-	780	-	784	-	-	-	185	4	15	202	337	335	218	4	19
800	-	830	-	834	-	-	-	190	4	15	208	347	345	224	4	19
850	-	880	-	884	-	-	-	195	4	15	214	357	355	230	4	19
900	-	930	-	934	-	-	-	200	4	15	220	367	365	236	4	19
1000	-	1035	-	1039	-	-	-	205	4	15	226	377	375	242	4	19
1100	-	1135	-	1139	-	-	-	210	4	15	232	387	385	248	4	19
1200	-	1235	-	1239	-	-	-	215	4	15	238	397	395	254	4	19
1350	-	1385	-	1389	-	-	-	220	4	15	244	407	405	260	4	19
1500	-	1540	-	1544	-	-	-	225	4	15	250	417	415	266	4	19

For JIS-rated pipe flanges

Nominal pressure: 16K, 20K and 30K



Unit: mm

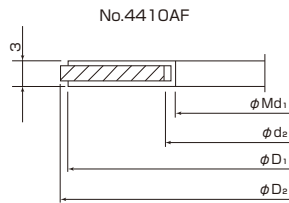
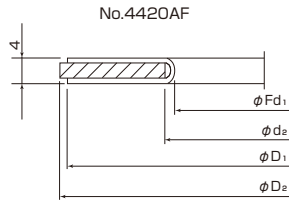
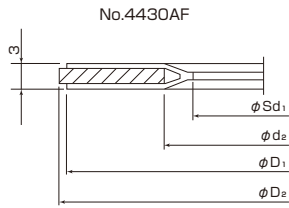
Nominal diameter	PTFE inside diameter			Soft filler inside diameter	Nominal pressure: 16K and 20K			Nominal pressure: 30K		
	Sd ₁	Fd ₁	Md ₁	d ₂	PTFE outside diameter	Soft filler outside diameter	Reinforcing plate outside diameter	PTFE outside diameter	Soft filler outside diameter	Reinforcing plate outside diameter
10A	20	-	26	29	49	53	46	55	59	52
15	25	-	31	34	54	58	51	58	64	55
20	30	-	36	39	59	63	56	63	69	60
25	35	-	41	44	70	74	67	73	79	70
32	45	-	51	54	79	84	76	83	89	80
40	50	-	56	59	84	89	81	93	100	90
50	65	-	71	74	99	104	96	108	114	105
65	80	-	86	89	119	124	116	133	140	130
80	95	-	101	104	135	140	132	143	150	140
90	105	-	111	114	148	150	145	153	163	150
100	115	-	121	124	163	165	160	163	173	160
125	145	-	151	154	198	203	195	198	208	195
150	170	-	176	179	233	238	230	238	251	235
200	225	-	231	234	278	283	275	283	296	280
250	280	-	286	289	349	356	345	348	360	345
300	330	-	336	339	399	406	395	408	420	405
350	370	-	376	379	444	450	440	453	465	450
400	420	-	426	429	499	510	495	513	524	510
450	470	-	476	479	564	575	560	-	-	-
500	520	-	526	529	619	630	615	-	-	-
550	570	575	576	579	674	684	670	-	-	-
600	620	625	626	629	724	734	720	-	-	-

Unit: mm

Nominal diameter	PTFE inside diameter			Soft filler inside diameter	Nominal pressure: 16K and 20K						Nominal pressure: 30K							
	Sd ₁	Fd ₁	Md ₁	d ₂	PTFE outside diameter	Soft filler outside diameter	Reinforcing plate outside diameter	Bolt hole			PTFE outside diameter	Soft filler outside diameter	Reinforcing plate outside diameter	Bolt hole				
10A	20	-	26	29	49	53	46	65	4	15	55	112	110	52	75	4	19	
15	25	-	31	34	54	58	51	70	4	15	58	117	115	55	80	4	19	
20	30	-	36	39	59	63	56	75	4	15	63	122	120	60	85	4	19	
25	35	-	41	44	70	74	67	90	4	19	73	132	130	70	95	4	19	
32	45	-	51	54	79	84	76	100	4	19	83	142	140	80	105	4	19	
40	50	-	56	59	84	89	81	105	4	19	93	162	160	90	120	4	23	
50	65	-	71	74	99	104	96	120	8	19	108	167	165	105	130	8	19	
65	80	-	86	89	119	124	116	140	8	19	133	202	200	130	160	8	23	
80	95	-	101	104	135	202	200	132	160	8	23	143	212	210	140	170	8	23
90	105	-	111	114	148	212	210	145	170	8	23	153	232	230	150	185	8	25
100	115	-	121	124	163	227	225	160	185	8	23	163	242	240	160	195	8	25
125	145	-	151	154	198	272	270	195	225	8	25	198	277	275	195	230	8	25
150	170	-	176	179	233	307	305	230	260	12	25	238	327	325	235	275	12	27
200	225	-	231	234	278	352	350	275	305	12	25	283	372	370	280	320	12	27
250	280	-	286	289	349	432	430	345	380	12	27	348	452	450	345	390	12	33
300	330	-	336	339	399	482	480	395	430	16	27	408	517	515	405	450	16	33
350	370	-	376	379	444	542	540	440	480	16	33	453	562	560	450	495	16	33
400	420	-	426	429	499	607	605	495	540	16	33	513	632	630	510	560	16	39
450	470	-	476	479	564	677	675	560	605	20	33	-	-	-	-	-	-	-
500	520	-	526	529	619	732	730	615	660	20	33	-	-	-	-	-	-	-
550	570	575	576	579	674	797	795	670	720	20	39	-	-	-	-	-	-	-
600	620	625	626	629	724	847	845	720	770	24	39	-	-	-	-	-	-	-

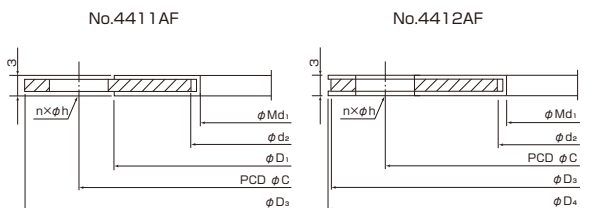
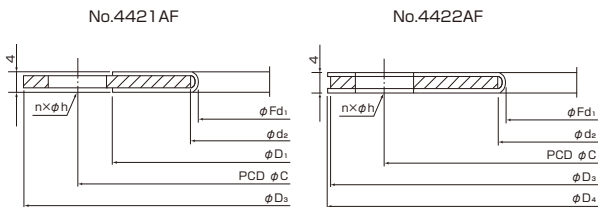
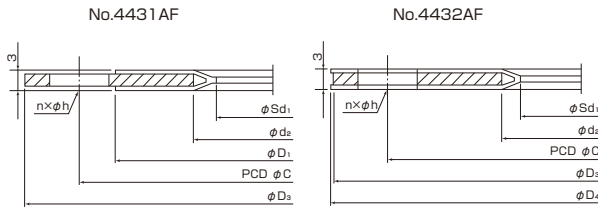
For ANSI (JPI) rated pipe flanges

Class: 75 and 150



Nominal diameter	PTFE inside diameter			Soft filler inside diameter	Class 75		Class 150	
	Sd ₁	Fd ₁	Md ₁		PTFE outside diameter	Soft filler outside diameter	PTFE outside diameter	Soft filler outside diameter
					D ₁	D ₂	D ₁	D ₂
1/2 B	17	-	21	24	-	-	47	47
3/4	22	-	26	29	-	-	56	56
1	28	-	32	35	-	-	66	66
1 1/4	36	-	40	43	-	-	75	75
1 1/2	42	-	46	49	-	-	85	85
2	53	-	57	60	-	-	92	104
2 1/2	66	-	70	73	-	-	105	123
3	90	-	94	97	-	-	127	135
3 1/2	103	-	107	110	-	-	140	161
4	116	-	120	123	-	-	157	173
5	143	-	147	150	-	-	186	196
6	169	-	173	176	-	-	216	221
8	220	-	224	227	-	-	270	277
10	275	-	279	282	-	-	324	338
12	326	-	330	333	-	-	381	408
14	358	361	362	365	-	-	413	449
16	408	411	412	415	-	-	470	512
18	459	462	463	466	-	-	533	547
20	510	513	514	517	-	-	584	604
24	612	615	616	619	-	-	692	715
26	-	666	-	670	705	705	711	722
28	-	717	-	721	756	756	762	773
30	-	768	-	772	806	807	813	824
32	-	819	-	823	857	857	864	878
34	-	870	-	874	908	908	921	932
36	-	920	-	924	965	970	972	984
38	-	971	-	975	1016	1021	1022	1041
40	-	1022	-	1026	1067	1072	1080	1092
42	-	1073	-	1077	1118	1122	1130	1143
44	-	1124	-	1128	1175	1178	1181	1194
46	-	1174	-	1178	1226	1229	1235	1253
48	-	1225	-	1229	1276	1280	1289	1303
50	-	1276	-	1280	1327	1331	1340	1354
52	-	1327	-	1331	1378	1384	1391	1405
54	-	1378	-	1382	1429	1435	1441	1461
56	-	1428	-	1432	1486	1493	1492	1511
58	-	1479	-	1483	1537	1543	1543	1577
60	-	1530	-	1534	1588	1594	1600	1625

Note: Nominal sizes of 26B (650A) or greater indicate gaskets for ANSI (JPI)-rated Series B flanges.

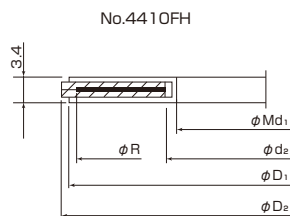
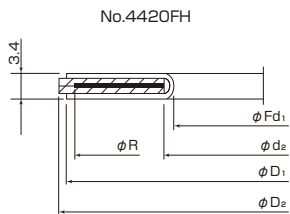
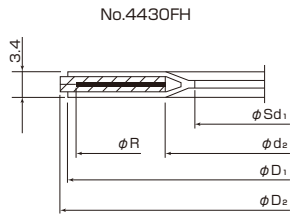


Nominal diameter	PTFE inside diameter			Soft filler inside diameter	Class 75						Class 150											
	Sd ₁	Fd ₁	Md ₁		PTFE outside diameter			Soft filler outside diameter			Bolt hole			PTFE outside diameter			Soft filler outside diameter			Bolt hole		
					D ₁	D ₄	D ₃	C	n	h	D ₁	D ₄	D ₃	C	n	h						
1/2 B	17	-	21	24	-	-	-	-	-	-	-	47	91	89	60.5	4	16					
3/4	22	-	26	29	-	-	-	-	-	-	-	56	101	99	69.8	4	16					
1	28	-	32	35	-	-	-	-	-	-	-	66	110	108	79.2	4	16					
1 1/4	36	-	40	43	-	-	-	-	-	-	-	75	119	117	88.9	4	16					
1 1/2	42	-	46	49	-	-	-	-	-	-	-	85	129	127	98.6	4	16					
2	53	-	57	60	-	-	-	-	-	-	-	92	154	152	120.6	4	19					
2 1/2	66	-	70	73	-	-	-	-	-	-	-	105	180	178	139.7	4	19					
3	90	-	94	97	-	-	-	-	-	-	-	127	192	190	152.4	4	19					
3 1/2	103	-	107	110	-	-	-	-	-	-	-	140	218	216	177.8	8	19					
4	116	-	120	123	-	-	-	-	-	-	-	157	231	229	190.5	8	19					
5	143	-	147	150	-	-	-	-	-	-	-	186	256	254	215.9	8	22					
6	169	-	173	176	-	-	-	-	-	-	-	216	281	279	241.3	8	22					
8	220	-	224	227	-	-	-	-	-	-	-	270	345	343	298.4	8	22					
10	275	-	279	282	-	-	-	-	-	-	-	324	408	406	362.0	12	26					
12	326	-	330	333	-	-	-	-	-	-	-	381	485	483	431.8	12	26					
14	358	361	362	365	-	-	-	-	-	-	-	413	537	535	476.2	12	29					
16	408	411	412	415	-	-	-	-	-	-	-	470	597	595	539.8	16	29					
18	459	462	463	466	-	-	-	-	-	-	-	533	637	635	577.8	16	32					
20	510	513	514	517	-	-	-	-	-	-	-	584	702	700	635.0	20	32					
24	612	615	616	619	-	-	-	-	-	-	-	692	817	815	749.3	20	35					
26	-	666	-	670	705	762	760	723.9	36	19	711	-	785	744.5	36	22						
28	-	717	-	721	756	817	815	774.7	40	19	762	-	835	795.3	40	22						
30	-	768	-	772	806	867	865	825.5	44	19	813	-	885	846.1	44	22						
32	-	819	-	823	857	917	915	876.3	48	19	868	-	940	900.2	48	22						
34	-	870	-	874	908	967	965	927.1	52	19	921	-	1005	957.3	40	26						
36	-	920	-	924	965	1037	1035	992.1	40	22	972	-	1055	1009.6	44	26						
38	-	971	-	975	1016	1087	1085	1042.9	40	22	1022	-	1125	1069.8	40	29						
40	-	1022	-	1026	1067	1137	1135	1093.7	44	22	1080	-	1175	1120.6	44	29						
42	-	1073	-	1077	1118	1187	1185	1144.5	48	22	1130	-	1225	1171.4	48	29						
44	-	1124	-	1128	1175	1252	1250	1203.4	36	26	1181	-	1275	1222.2	52	29						
46	-	1174	-	1178	1226	1302	1300	1254.3	40	26	1235	-	1340	1284.2	40	32						
48	-	1225	-	1229	1276	1357	1355	1305.1	44	26	1289	-	1390	1335.0	44	32						
50	-	1276	-	1280	1327	1407	1405	1355.9	44	26	1340	-	1445	1385.8	48	32						
52	-	1327	-	1331	1378	1457	1455	1409.7	48	26	1391	-	1495	1436.6	52	32						
54	-	1378	-	1382	1429	1512	1510	1460.5	48	26	1441	-	1550	1492.2	56	32						
56	-	1428	-	1432	1486	1577	1575	1521.0	40	29	1492	-	1600	1543.0	60	32						
58	-	1479	-	1483	1537	1627	1625	1571.8	44	29	1543	-	1675	1611.4	48	35						
60	-	1530	-	1534	1588	1677	1675	1622.6	44	29	1600	-	1725	1662.2	52	35						

Note: Nominal sizes of 26B (650A) or greater indicate gaskets for ANSI (JPI)-rated Series B flanges.

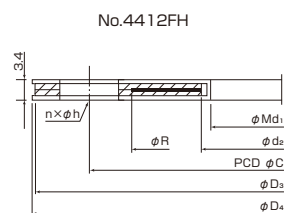
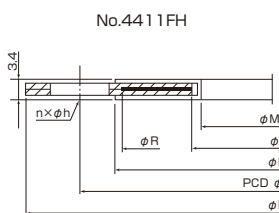
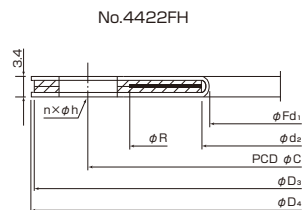
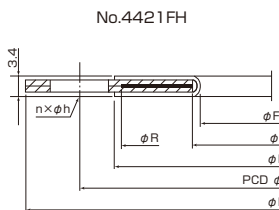
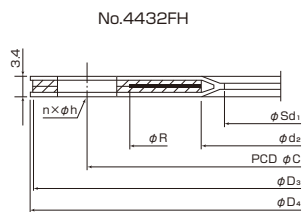
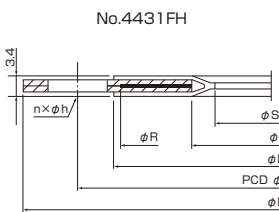
For ANSI (JPI) rated pipe flanges

Class: 300



Nominal diameter	PTFE inside diameter			Soft filler inside diameter	PTFE outside diameter	Soft filler outside diameter	Reinforcing plate outside diameter
	Sd ₁	Fd ₁	Md ₁	d ₂	D ₁	D ₂	R
½ B	17	-	21	24	53	53	35
¾	22	-	26	29	66	66	43
1	28	-	32	35	72	72	51
1¼	36	-	40	43	82	82	64
1½	42	-	46	49	94	94	73
2	53	-	57	60	92	110	92
2½	66	-	70	73	105	129	105
3	90	-	94	97	127	148	127
3½	103	-	107	110	140	164	140
4	116	-	120	123	157	180	157
5	143	-	147	150	186	215	186
6	169	-	173	176	216	249	216
8	220	-	224	227	270	306	270
10	275	-	279	282	324	360	324
12	326	-	330	333	381	420	381
14	358	361	362	365	413	484	413
16	408	411	412	415	470	538	470
18	459	462	463	466	533	595	533
20	510	513	514	517	584	651	584
24	612	615	616	619	692	772	692
26	-	666	-	670	737	768	737
28	-	717	-	721	787	822	787
30	-	768	-	772	845	883	845
32	-	819	-	823	902	937	902
34	-	870	-	874	952	991	952
36	-	920	-	924	1010	1045	1010
38	-	971	-	975	1060	1096	1060
40	-	1022	-	1026	1115	1147	1115
42	-	1073	-	1077	1168	1197	1168
44	-	1124	-	1128	1219	1248	1219
46	-	1174	-	1178	1270	1315	1270
48	-	1225	-	1229	1327	1365	1327
50	-	1276	-	1280	1387	1416	1378
52	-	1327	-	1331	1429	1467	1429
54	-	1378	-	1382	1480	1527	1480
56	-	1428	-	1432	1537	1591	1537
58	-	1479	-	1483	1594	1651	1594
60	-	1530	-	1534	1651	1702	1651

Note: Nominal sizes of 26B (650A) or greater indicate gaskets for ANSI (JPI)-rated Series B flanges.



Nominal diameter	PTFE inside diameter			Soft filler inside diameter	PTFE outside diameter	Soft filler outside diameter	Reinforcing plate outside diameter	Bolt hole			
	Sd ₁	Fd ₁	Md ₁	d ₂	D ₁	D ₂	R	C	n	h	
½ B	17	-	21	24	53	97	95	35	66.5	4	16
¾	22	-	26	29	66	119	117	43	82.6	4	19
1	28	-	32	35	72	126	124	51	88.9	4	19
1¼	36	-	40	43	82	135	133	64	98.6	4	19
1½	42	-	46	49	94	157	155	73	114.3	4	22
2	53	-	57	60	92	167	165	92	127.0	8	19
2½	66	-	70	73	105	192	190	105	149.4	8	22
3	90	-	94	97	127	212	210	127	168.1	8	22
3½	103	-	107	110	140	231	229	140	184.2	8	22
4	116	-	120	123	157	256	254	157	200.2	8	22
5	143	-	147	150	186	281	279	186	235.0	8	22
6	169	-	173	176	216	320	318	216	269.7	12	22
8	220	-	224	227	270	383	381	270	330.2	12	26
10	275	-	279	282	324	446	444	324	387.4	16	29
12	326	-	330	333	381	522	520	381	450.8	16	32
14	358	361	362	365	413	587	585	413	514.4	20	32
16	408	411	412	415	470	652	650	470	571.5	20	35
18	459	462	463	466	533	712	710	533	628.6	24	35
20	510	513	514	517	584	777	775	584	685.8	24	35
24	612	615	616	619	692	917	915	692	812.8	24	42
26	-	666	-	670	737	-	865	737	803.1	32	35
28	-	717	-	721	787	-	920	787	857.2	36	35
30	-	768	-	772	845	-	990	845	920.8	36	39
32	-	819	-	823	902	-	1055	902	977.9	32	42
34	-	870	-	874	952	-	1110	952	1031.7	36	42
36	-	920	-	924	1010	-	1170	1010	1089.2	32	45
38	-	971	-	975	1060	-	1220	1060	1140.0	36	45
40	-	1022	-	1026	1115	-	1275	1115	1190.8	40	45
42	-	1073	-	1077	1168	-	1335	1168	1244.6	36	48
44	-	1124	-	1128	1219	-	1385	1219	1295.4	40	48
46	-	1174	-	1178	1270	-	1460	1270	1365.2	36	51
48	-	1225	-	1229	1327	-	1510	1327	1416.0	40	51
50	-	1276	-	1280	1378	-	1560	1378	1466.8	44	51
52	-	1327	-	1331	1429	-	1615	1429	1517.6	48	51
54	-	1378	-	1382	1480	-	1675	1480	1577.8	48	51
56	-	1428	-	1432	1537	-	1765	1537	1651.0	36	60
58	-	1479	-	1483	1594	-	1825	1594	1713.0	40	60
60	-	1530	-	1534	1651	-	1880	1651	1763.8	40	60

Note: Nominal sizes of 26B (650A) or greater indicate gaskets for ANSI (JPI)-rated Series B flanges.

Performance and design standards

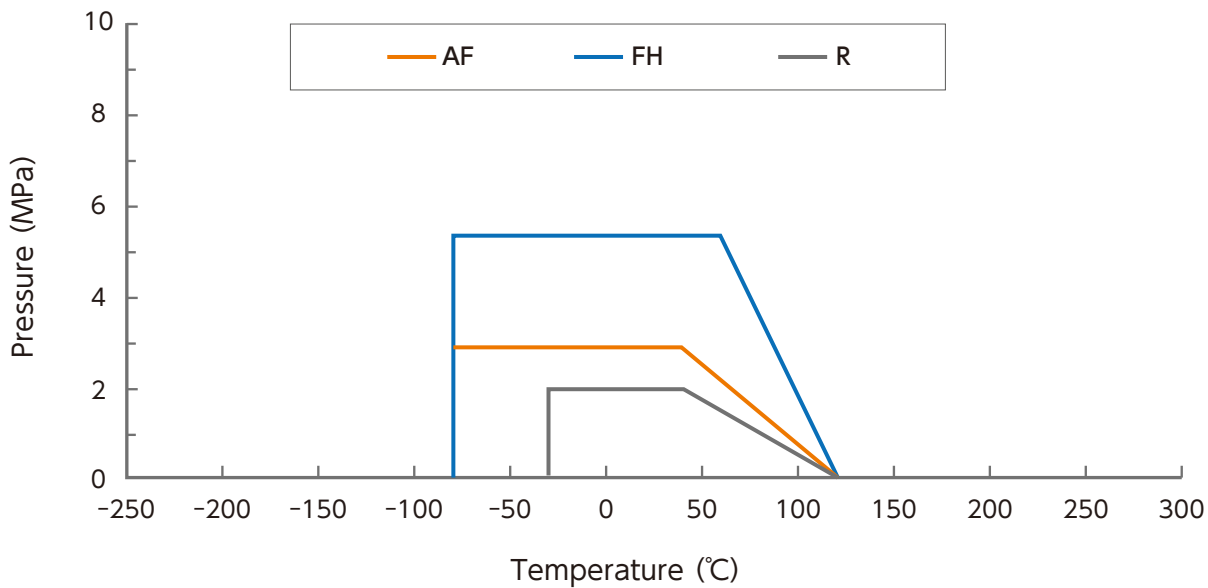
Shape symbol		AF	FH	R
Operating temperature	°C	- 80 to + 120	- 80 to + 120	- 30 to + 120
Maximum operating pressure	MPaG	2.0	5.4	2.0
Insulation resistance	Ω	> 10 ¹³	> 10 ¹³	> 10 ¹³
Minimum design seating stress required ("y" value)	N/mm ²	14.7 (19.6 for No.4420 only)	19.6 (29.4 for No.4420 only)	2.9
Gasket factor ("m" value)		2.5	3.0	2.0

Notes: 1) The minimum design seating stress and gasket factor differ according to the fluid type. The values shown in the table above are applicable when the fluid is water.

2) These values are appropriate values required for design, not specifications.

3) The insulation resistance values in the table are the values measured when the gasket contact area is 100 cm².

Pressure-temperature correlation chart



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Safety precaution

● When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.