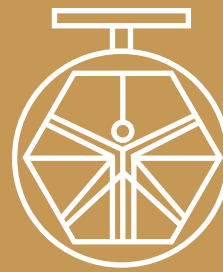


**GROUP 100
BUTTERFLY
VALVES
MOD. 141A/07**



**DAVINCI
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**TECHNICAL
DATA SHEET**

FIRE Series

**SYSTEM UL/FM
CENTER STEM GROOVE TYPE**

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10F/Tower A, Billion Center,
1 Wang Kwong Road, Kowloon Bay
Kowloon HONG KONG

GROOVE END TYPE BUTTERFLY VALVE UL/ULC LISTED, FM APPROVED

Ref.141A / 300PSI

GENERAL CHARACTERISTICS:

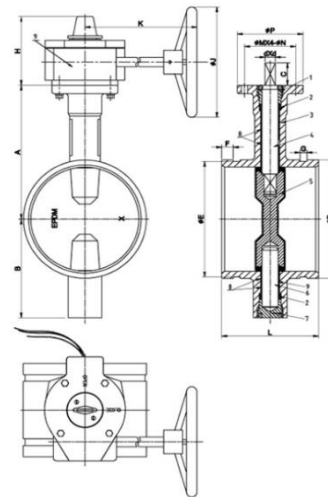
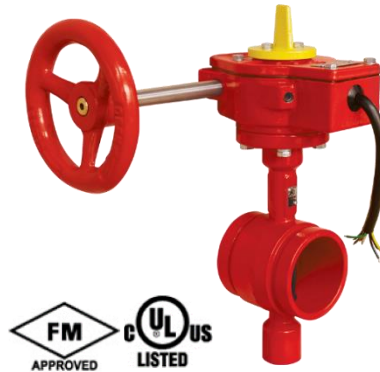
Range from ND50 up to ND300 (2" up to 12")
 Disc Ductil iron EPDM Rubber encapsulated
 Connection Groove end
 Epoxy FBE 250 microns/Coating upon request
 Approvals FM,UL,CUL,NSF,ANSI 61 & NSF, ANSI372
 Certified lead-free by NSF/ANSI61& NSF /ANSI372 is available
 Gear box with switch signal position on/off

STANDARDS:

Conforms ANSI/AWWA C606 or Metric Standard Clear Waterway design
 Face to Face ASME B16.10
 Top Flange Standard ISO 5211
 Test Standard FM1112/UL1091

WORKING CONDITIONS:

Working Pressure: 300PSI (Max Test Pressure 600PSI)
 Working Temperature: -10°C +80°C
 Application: Indoor and Outdoor
 Suitable Media: Water



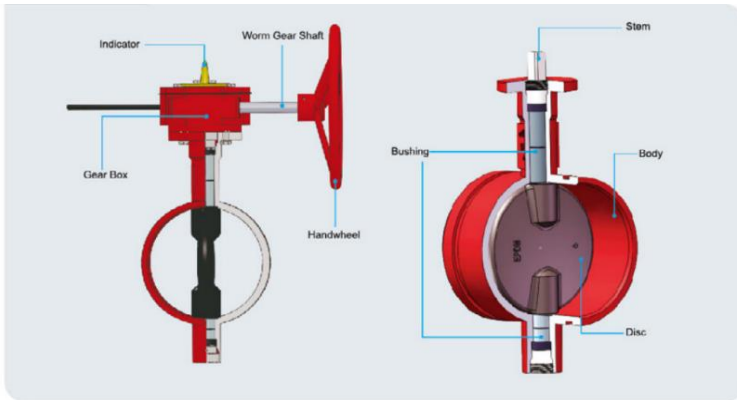
ITEM	PART	MATERIAL	ITEM	PART	MATERIAL
1	Upper Shaft sealing Nut	WCB	6	Lower Shaft	SS416
2	Shaft Seal	EPDM	7	Lower Shaft sealing Nut	WCB
3	Body	DI	8	Stem Bushing	PTFE
4	Upper Shaft sealing Nut	SS416	9	Signal Gear Box	DI
5	Disc	DI+EPDM			

	A	B	C	D	E	F	G	H	K	J	P	M	N	d	L	
2"	110	85	32	60.3	57.15	15.9	7.9	111	218	153	152	90	70	9	10	88
2-1/2"	125	95	32	73	59.1	15.9	7.9	111	218	153	152	90	70	9	10	96.4
				76.1	72.3											
3"	140	100	32	88.9	84.9	15.9	7.9	111	218	153	152	90	70	9	11	97
4"	160	100	32	114.3	110.1	15.9	9.5	111	218	153	152	90	70	9	14	115.1
5"	170	125	32	139.7	135.5	15.9	9.5	111	218	153	152	90	70	9	14	132.4
				141.3	137											
6"	190	140	32	165.1	160.9	15.9	9.5	111	218	153	200	90	70	9	16	132.4
				168.3	164											
8"	230	175	32	216.3	211.6	19	11.1	126	232	210	300	125	102	12	19	147.4
				219.1	214.4											
10"	260	200	45	267.4	262.6	19	12.7	126	232	210	300	125	102	12	24	159
				273	268.3											
12"	300	240	45	318.5	312.9	19	12.7	161	249	350	150	125	14	26	165	
				323.8	318.3											

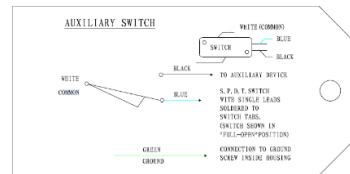
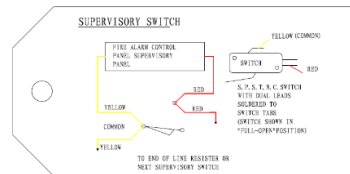
All the components can be substituted with equivalent or higher-class materials.

GROOVE END TYPE BUTTERFLY VALVE UL/ULC LISTED, FM APPROVED

Ref.141A / 300PSI

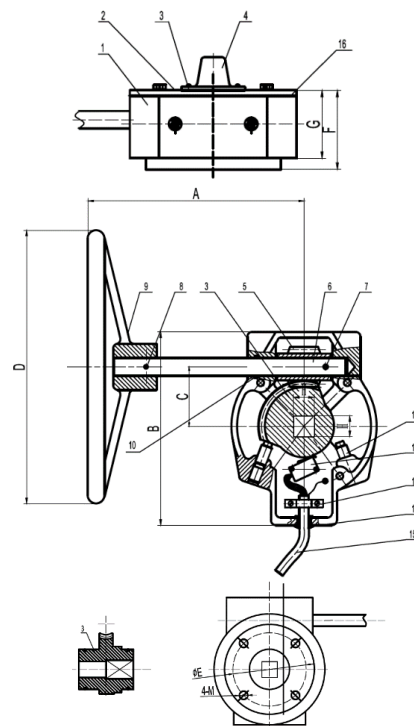


Signal Card



No.	Description	MATERIAL	Standard
1	Gear Body	DI	ASTM A536 Grade 65-45-12
2	Gear Cover	DI	ASTM A536 Grade 65-45-13
3	Worm Wheel	DI	ASTM A536 Grade 65-45-14
4	Indicator	DI	ASTM A536 Grade 65-45-15
5	Worm	Steel	
6	Handwheel Shaft	Steel	
7	Pin	SS416	ASTM A528
8	Pin	SS416	ASTM A536 Grade 65-45-12
9	Handwheel	DI	
10	O-Ring	EPDM	
11	Set Screw	Steel	
12	Signal Switch	Switch Assembly	
13	Clip	Nylon	
14	Sealing Ring	EPDM	ASTM D2000
15	Wire	Wire	
16	Gasket	EPDM	ASTM D2000

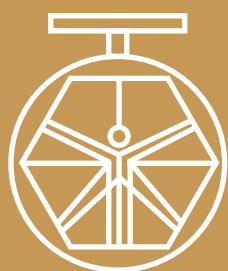
Gearbox	Value	A	B	C	D	E	F	G	H	M	
24:1	2-2 1/2"	153	218	164	45	152	70	65	58	10	M8
24:1	3"	153	218	164	45	152	70	65	58	11	M8
24:1	4-5"	153	218	164	45	152	70	65	58	14	M8
24:1	6"	153	218	164	45	200	70	65	58	16	M8
30:1	8"	210	232	205	63	300	102	79	67	19	M10
30:1	10"	210	232	205	63	300	102	79	67	22	M10
80:1	12"	249	284	120	350	125	118	110	24	M12	



TECHNICAL DATA SHEET

All the components can be substituted with equivalent or higher-class materials.

"For professionals who wants more"



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