

Model: 58

Cast Carbon Steel or Stainless Steel Full Flange Butterfly Valves Sizes: 14"–18" (650–800mm)

Pressure / Temperature – Non-Shock		
Model	Material	Rating
58D	Carbon Steel	150psi @ 100°F
58H	Stainless Steel	150psi @ 100°F

In accordance with ANSI B16.1 or B16.5
Max. temp can be limited by seat material.
See Elastomer Guide in Technical Data Section.



Model 58

Typical Service

- These soft-seated butterfly valves are designed for a variety of general applications in the control of water, steam, air, oil, gases, and corrosive media.
- They are equally effective for on-off, throttling, isolation, and dead end requirements.
- They are especially well suited for higher velocity service and vacuum service to 28" Hg.

Features

- Dual durometer seat features a tough wear resistant elastomer bonded to a phenolic backup ring.
 - The soft elastic seat portion provides positive sealing
 - The backup ring provides strength for vacuum or high velocity services
 - The combination eliminates the need for flange gaskets
- Stem seals include a primary seal between the disc hub and the seat hub, along with secondary O-ring seals at the top and bottom of the seat
 - This retains lubrication and prevents corrosion from outside elements.
- Stem is retained in the body for blowout proof design
- Many material options available. See How to Order page in the Butterfly Valve section of the Mueller Steam Specialty Engineering binder for standard materials and ordering instructions
- A variety of operators can be supplied
 - Multi-position lever operator
 - Gear Operator
 - Pneumatic, hydraulic, or electric actuators with solenoids, limit switches, positioners and more, consult factory

Construction

- ANSI 150 Flange Design
- Available in 14", 16", and 18" sizes

Performance Considerations

- Seat selections will limit temperature range
- Seat and body materials must be chosen carefully for compatibility with corrosive media applications.
- Guidelines for throttling service:
 - Liquids - Line velocity should not exceed 20 ft/sec
 - Gases - Line velocity should not exceed 15,000 ft/min.

Materials

	58D	58H
Body	Carbon Steel ASTM A216 WCB	Stainless Steel ASTM A351 CF8M
Stem	316 SS	316 SS
Disc	316 SS	316 SS
Seat	EPDM	EPDM
O-Ring Seals	EPDM	EPDM

Job Name _____

Job Location _____

Engineer _____

Approval _____

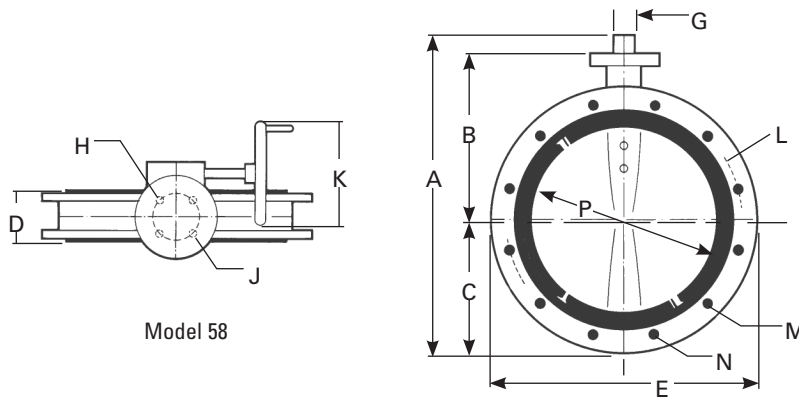
Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

Dimensions and Weights



Model 58

SIZE		DIMENSIONS														WEIGHT												
		A	B	C	D	E	G	H	J	K	L	M	N	P														
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	# of Holes	in.	mm	lbs.	kgs.								
Model 58																												
14	350	25 ³ / ₄	654	13 ¹ / ₈	333	10 ⁹ / ₁₆	264	3 ⁵ / ₈	92	17 ³ / ₄	450	1 ¹ / ₂	38	4 ³ / ₄	121	⁴ / ₈	14	16	406	18 ³ / ₄	476	1-8	3	12	13 ¹ / ₄	337	160	73
16	400	29 ⁵ / ₁₆	738	14 ¹ / ₂	368	12 ¹ / ₂	308	4 ¹ / ₈	105	20 ¹ / ₄	514	1 ¹ / ₂	38	6	125	¹¹ / ₁₆	17	16	406	21 ¹ / ₄	540	1-8	3	16	15 ¹ / ₄	378	231	105
18	450	32	813	16	406	13	330	4 ⁵ / ₈	117	21 ⁵ / ₈	549	2	51	7 ¹ / ₂	191	⁵ / ₈	16	16	406	22 ³ / ₄	578	1 ¹ / ₈ -7	29	16	17 ¹ / ₄	438	286	130

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