

B54BMP-Series Inline Sight Glass

Applications

- Used in sanitary processes to view fluids.
- They are found in the food processing, beverage, winery, brewery, pet product, and industrial markets.

Sizes

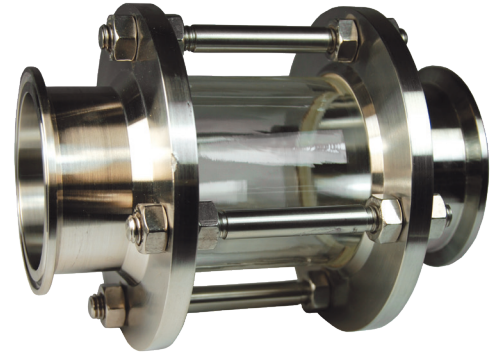
- 1" to 6"

Features

- Various end configurations available
 - Clamp, weld, bevel seat, John Perry, I-line, and Q-line

Specifications

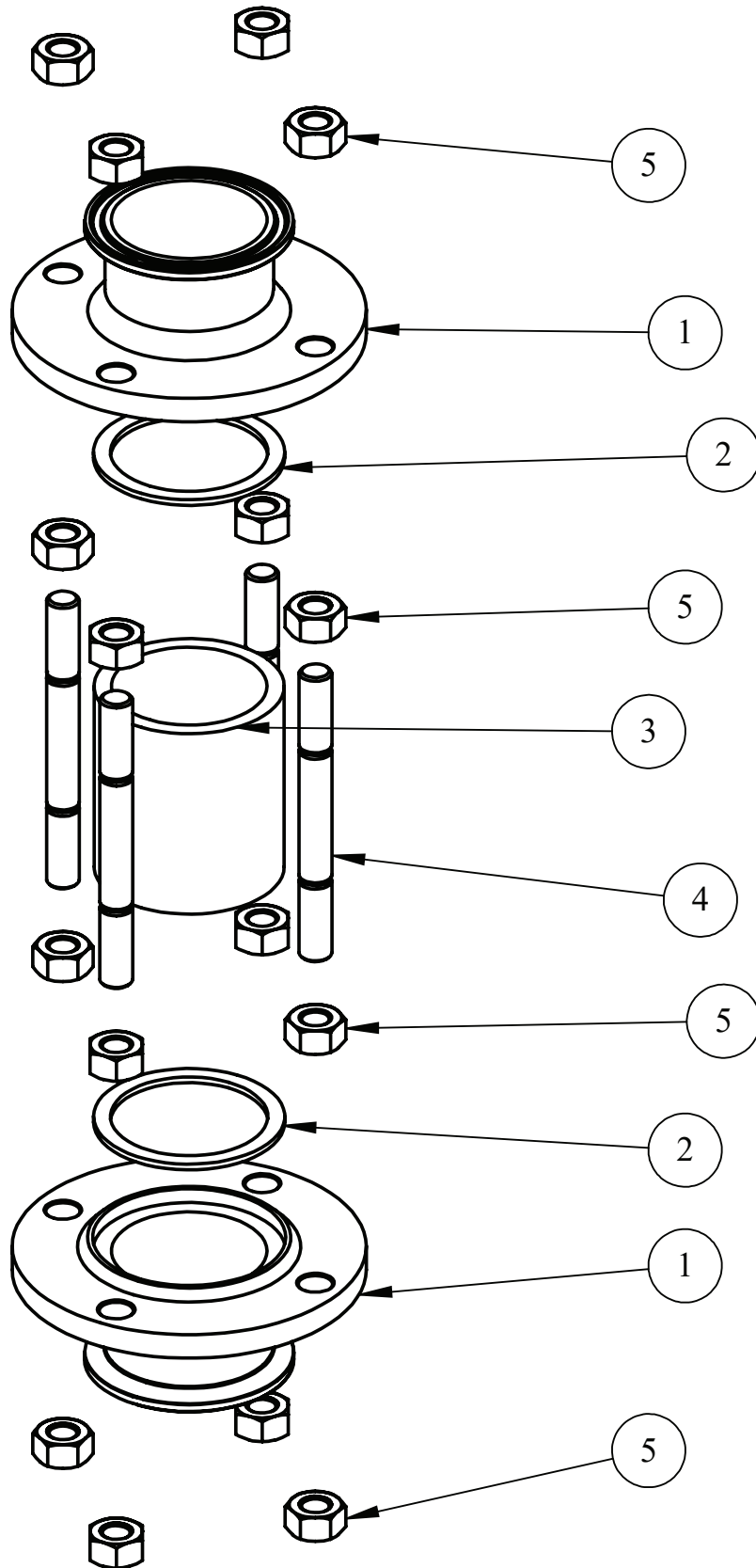
- Standard connection: clamp
- Sight glass working pressure:
 - 1": **145 PSI**
 - 1-1/2": **145 PSI**
 - 2": **145 PSI**
 - 2-1/2": **120 PSI**
 - 3": **120 PSI**
 - 4": **95 PSI**
 - 6": **80 PSI**
- Maximum operating temperature: **200°F (93°C)**
- Materials of construction
 - Product contact metal components: 316L stainless steel
 - Non-product contact metal components: 316L stainless steel
 - Product contact sight window: borosilicate glass or polycarbonate
 - Product contact seals: nitrile rubber, FKM, EPDM
- Surface finish
 - Product contact metal components: ≤ 32 Ra I.D. and O.D.



B54BMP-Series Inline Sight Glass - Part Number Key

B54BMP-Series Inline Sight Glass Part Number Key Example: B54BMP-R100__		Series	Connections	Material	Size	Sight Glass Material	Surface Finish	Elastomer
		B54BMP	-	R	100			
Series	Code							
B54BMP	B54BMP							
Connections	Code							
Tri-clamp	-							
Weld	B							
Threaded bevel	T							
Plain bevel with nut	P							
Female I-line	F							
Male I-line	M							
John Perry plain	J							
John Perry threaded	H							
Q-line	G							
Material	Code							
316L stainless steel	R							
Size	Code							
1"	100							
1-1/2"	150							
2"	200							
2-1/2"	250							
3"	300							
4"	400							
6"	600							
Sight Glass Material	Code							
Borosilicate glass	blank							
Polycarbonate	LX							
Surface Finish	Code							
32 Ra (I.D. mech. polish)	blank							
25 Ra (I.D. mech. polish)	B							
20 Ra (I.D. mech. polish)	C							
15 Ra (I.D. mech. polish)	D							
Elastomer	Code							
Nitrile rubber (standard)	blank							
FKM	V							
EPDM	E							

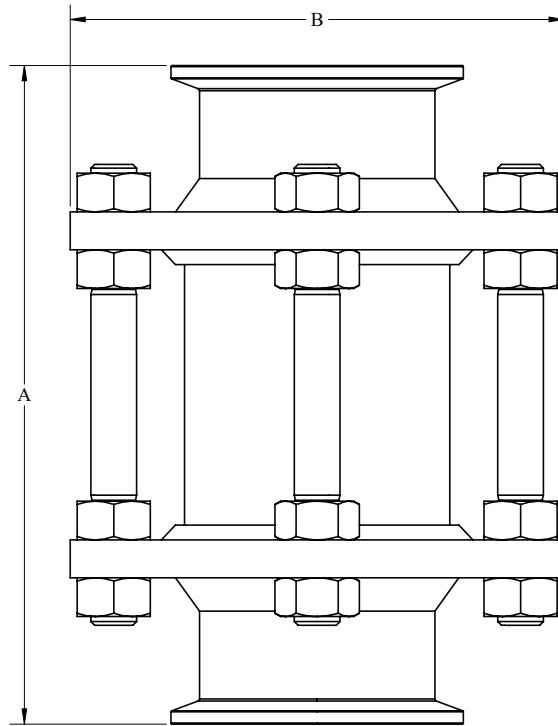
B54BMP-Series Inline Sight Glass - Bill of Materials



B54BMP-Series Inline Sight Glass - Bill of Materials

Item	Size	Part #	Description	Material	Qty
1	1"	B54BMP-1-100	body, tri-clamp	316L SS	2
	1-1/2"	B54BMP-1-150	body, tri-clamp	316L SS	2
	2"	B54BMP-1-200	body, tri-clamp	316L SS	2
	2-1/2"	B54BMP-1-250	body, tri-clamp	316L SS	2
	3"	B54BMP-1-300	body, tri-clamp	316L SS	2
	4"	B54BMP-1-400	body, tri-clamp	316L SS	2
	6"	B54BMP-1-600	body, tri-clamp	316L SS	2
2	1"	B54BMP-SK100	elastomer kit (2-pcs)	Nitrile rubber	1
		B54BMP-EK100	elastomer kit (2-pcs)	EPDM	1
		B54BMP-VK100	elastomer kit (2-pcs)	FKM	1
	1-1/2"	B54BMP-SK150	elastomer kit (2-pcs)	Nitrile rubber	1
		B54BMP-EK150	elastomer kit (2-pcs)	EPDM	1
		B54BMP-VK150	elastomer kit (2-pcs)	FKM	1
	2"	B54BMP-SK200	elastomer kit (2-pcs)	Nitrile rubber	1
		B54BMP-EK200	elastomer kit (2-pcs)	EPDM	1
		B54BMP-VK200	elastomer kit (2-pcs)	FKM	1
	2-1/2"	B54BMP-SK250	elastomer kit (2-pcs)	Nitrile rubber	1
		B54BMP-EK250	elastomer kit (2-pcs)	EPDM	1
		B54BMP-VK250	elastomer kit (2-pcs)	FKM	1
	3"	B54BMP-SK300	elastomer kit (2-pcs)	Nitrile rubber	1
		B54BMP-EK300	elastomer kit (2-pcs)	EPDM	1
		B54BMP-VK300	elastomer kit (2-pcs)	FKM	1
	4"	B54BMP-SK400	elastomer kit (2-pcs)	Nitrile rubber	1
		B54BMP-EK400	elastomer kit (2-pcs)	EPDM	1
		B54BMP-VK400	elastomer kit (2-pcs)	FKM	1
6"	B54BMP-SK600	elastomer kit (2-pcs)	Nitrile rubber	1	
	B54BMP-EK600	elastomer kit (2-pcs)	EPDM	1	
	B54BMP-VK600	elastomer kit (2-pcs)	FKM	1	
3	1"	B54G-P100	insert	Borosilicate	1
		B54BMP-LX100	insert	Polycarbonate	1
	1-1/2"	B54G-P150	insert	Borosilicate	1
		B54BMP-LX150	insert	Polycarbonate	1
	2"	B54G-P200	insert	Borosilicate	1
		B54BMP-LX200	insert	Polycarbonate	1
	2-1/2"	B54G-P250	insert	Borosilicate	1
		B54BMP-LX250	insert	Polycarbonate	1
	3"	B54G-P300	insert	Borosilicate	1
		B54BMP-LX300	insert	Polycarbonate	1
	4"	B54G-P400	insert	Borosilicate	1
		B54BMP-LX400	insert	Polycarbonate	1
	6"	B54G-P600	insert	Borosilicate	1
		B54BMP-LX600	insert	Polycarbonate	1
4	1"	B54BMP-4-100	body bolt, 3/8" UNC, 100 mm long	316L SS	4
	1-1/2"	B54BMP-4-150	body bolt, 3/8" UNC, 100 mm long	316L SS	4
	2"	B54BMP-4-200	body bolt, 3/8" UNC, 100 mm long	316L SS	4
	2-1/2"	B54BMP-4-250	body bolt, 3/8" UNC, 110 mm long	316L SS	4
	3"	B54BMP-4-300	body bolt, 1/2" UNC, 149 mm long	316L SS	4
	4"	B54BMP-4-400	body bolt, 1/2" UNC, 149 mm long	316L SS	6
	6"	B54BMP-4-600	body bolt, 1/2" UNC, 149 mm long	316L SS	8
5	1"	B54BMP-5-100	nut, 3/8" UNC	316L SS	4
	1-1/2"	B54BMP-5-150	nut, 3/8" UNC	316L SS	4
	2"	B54BMP-5-200	nut, 3/8" UNC	316L SS	4
	2-1/2"	B54BMP-5-250	nut, 3/8" UNC	316L SS	4
	3"	B54BMP-5-300	nut, 1/2" UNC	316L SS	4
	4"	B54BMP-5-400	nut, 1/2" UNC	316L SS	6
	6"	B54BMP-5-600	nut, 1/2" UNC	316L SS	8

B54BMP-Series Inline Sight Glass - Dimensions



Size	A (in)	B (in)
1"	5.6	3.3
1-1/2"	5.6	4.0
2"	5.6	4.3
2-1/2"	6.1	4.8
3"	7.3	5.5
4"	7.4	6.5
6"	7.6	9.5

Repair Kits

Size	Nitrile Rubber Seal Kit ¹	FKM Seal Kit ²	Borosilicate Glass Replacement	Polycarbonate Replacement
1"	B54BMP-SK100	B54BMP-VK100	B54G-P100	B54BMP-LX100
1-1/2"	B54BMP-SK150	B54BMP-VK150	B54G-P150	B54BMP-LX150
2"	B54BMP-SK200	B54BMP-VK200	B54G-P200	B54BMP-LX200
2-1/2"	B54BMP-SK250	B54BMP-VK250	B54G-P250	B54BMP-LX250
3"	B54BMP-SK300	B54BMP-VK300	B54G-P300	B54BMP-LX300
4"	B54BMP-SK400	B54BMP-VK400	B54G-P400	B54BMP-LX400
6"	B54BMP-SK600	B54BMP-VK600	B54G-P600	B54BMP-LX600

¹Kit contains (2) black nitrile rubber gaskets

²Kit contains (2) FKM gaskets

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