

FIRE PUMPS

HORIZONTAL SPLIT CASE, END SUCTION, VERTICAL TURBINE,

CONTAINERIZED PUMP, PACKAGED FIRE PUMP, FUEL TANK & ANTI-VORTEX PLATE



BUREAU VERITAS
Certification



BRISTOL FIRE ENGINEERING

P.O. BOX 74582, 8th STREET,
AL QUOZ INDUSTRIAL AREA NO. 3, DUBAI,
UNITED ARAB EMIRATES

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of Certification

THE SUPPLY, DESIGN, MANUFACTURING, FILLING, SERVICING OF PORTABLE, MOBILE FIRE EXTINGUISHERS AND SUPPLY OF ASSOCIATED EQUIPMENT. THE SUPPLY, DESIGN, MANUFACTURING AND INSTALLATION OF FIRE RATED DOORS, WINDOWS, LOUVERS & ACCESS PANELS. THE SUPPLY, DESIGN OF LANDING VALVES & BREECHING INLETS. THE SUPPLY, DESIGN, MANUFACTURING OF WET BARREL FIRE HYDRANTS. THE SUPPLY, DESIGN, MANUFACTURING AND SERVICING OF FIRE HOSE REELS AND CABINETS AND SUPPLY OF ASSOCIATED EQUIPMENT. SUPPLY OF FIRE HOSES. THE SUPPLY, DESIGN AND MANUFACTURING OF FIRE PUMP WITH SUPPLY OF ASSOCIATED VALVES. THE SUPPLY, DESIGN AND MANUFACTURING OF FIRE SUPPRESSION SYSTEMS. THE SUPPLY OF FIRE DETECTION & FIRE ALARM SYSTEM, CONTROL AND INDICATING EQUIPMENT. THE FILLING, SALES AND TRADING OF COMPRESSED GAS CYLINDERS CONTAINING INDUSTRIAL GAS, PURE GAS AND / OR MULTI COMPONENT MIXTURES. THE SUPPLY OF BREATHING APPARATUS, SPRINKLER SYSTEM AND SECURITY SYSTEM MANUFACTURING. THE SUPPLY, DESIGN, MANUFACTURING OF DIESEL TANKS.

Original cycle start date: **14th APRIL 2001**

Expiry date of previous cycle: **15th AUGUST 2021**

Recertification Audit date: **15th JULY 2021**

Recertification cycle start date: **12th AUGUST 2021**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **15th AUGUST 2024**

Certificate No. **DU004437-005**

Version No. 1, Issue date: **12/08/2021**

Signed on behalf of BVCH SAS UK Branch



0008

Certification body address: 5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom
Local office: Bureau Veritas – Dubai Br., 2nd Floor, Block C, Al Hudaiba Awards Building,
Jumeirah Road with 2nd December Interchange, Dubai, U.A.E.

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: 00971 4 3074400
The validity of this certificate depends on the validity of the main certificate.

BUREAU VERITAS
Certification



BRISTOL FIRE ENGINEERING

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ISO 45001:2018

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Original cycle start date: **12th AUGUST 2021**

Expiry date of previous cycle: **NA**

Certification Audit date: **15th JULY 2021**

Certification cycle start date: **12th AUGUST 2021**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **15th AUGUST 2024**

Certificate No. **DU004439-005**

Version No. **1**, Issue date: **12/08/2021**

Signed on behalf of BVCH SAS UK Branch



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BRISTOL FIRE ENGINEERING

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ISO 14001:2015

Scope of Certification

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Original cycle start date: **16th AUGUST 2012**

Expiry date of previous cycle: **15th AUGUST 2021**

Recertification Audit date: **15th JULY 2021**

Recertification cycle start date: **12th AUGUST 2021**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **15th AUGUST 2024**

Certificate No. **DU004438-005**

Version No. **1**, Issue date: **12/08/2021**

Signed on behalf of BVCH SAS UK Branch



Certification body address: 5th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: Bureau Veritas – Dubai Br., 2nd Floor, Block C, Al Hudaiba Awards Building,
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HORIZONTAL SPLITCASE TYPE



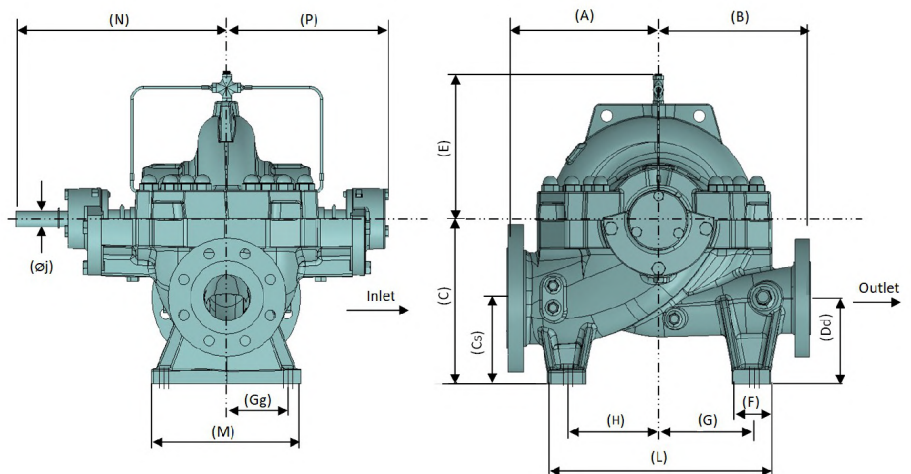
Description

Bristol Split Case Pump is a single stage, non-self-priming, centrifugal volute pump with radial suction and discharge port. This pump has a horizontal pump shaft with the impeller placed in the middle of the shaft and with self contained combination bearing housing and seal chamber on both sides of the impeller. Without disturbing the motor or pipe-work, the split case construction enables the pump casing to be dismantled in the horizontal plane along the drive shaft. Removal and dismantling of the internal pump parts e.g. bearings, wear rings, impeller and shaft seal can then take place.

Features

- In line Pump
- Double Suction
- Low NPSH
- Low axial load on the shaft
- Improved efficiency (Overall higher efficiency)
- Low radial load on the shaft
- Low axial and radial loads extends wear ring, seal and - bearing life, minimize vibration and provides quiet operation
- Easy service bearing and packing gland can be changed without removing the top casing half
- UL File No. EX16089

Pump Dimensions



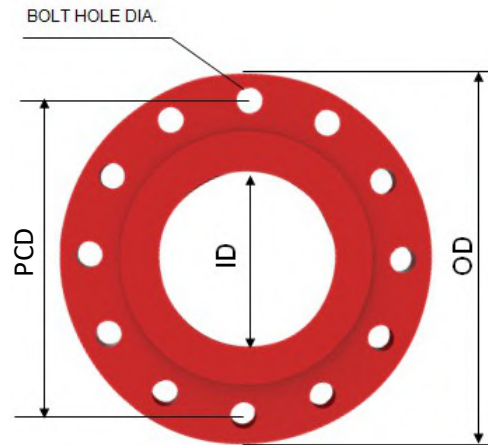
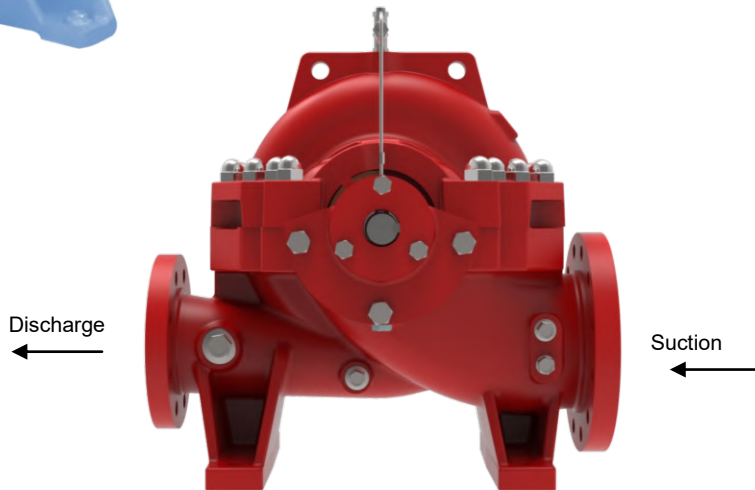
Model	A	B	C	Cs	Dd	E	F	G	H	L	M	Gg	N	P	Ø j	Shaft keyway
BSP-125-270	300	300	315	175	175	270	70	170	170	410	320	135	336	443	35	10x08x78
BSP-150-310	330	330	355	185	185	345	80	200	200	470	320	135	456	345	35	10x08x85
BSP-150-370	370	370	355	185	185	345	70	200	200	470	320	135	443	344	35	10x08x78
BSP-200-290	370	370	400	200	200	310	80	225	225	530	390	170	515	365	45	14x09x108
BSP-200-365	370	370	400	200	200	350	80	225	225	530	390	170	517	366	45	14x09x108
BSP 6X4X10HF	330	330	355	185	185	270	70	200	200	470	320	135	415	300	35	10x08x85
BSP 10X8X21HF	600	500	560	260	260	472	70	350	350	770	480	215	655	375	65	18x11x149
BSP 10X8X29MF	682	609	600	260	205	555	100	440	440	980	600	250	710	520	65	18x11x138
BSP 10X8X26MF	510	435	600	230	230	505	140	255	305	700	550	235	634	418	60	18x11x138
BSP 8X6X18MF	475	405	480	201.5	201.5	385	120	180	180	480	470	190	537	414	45	14x09x108

Performance Range

- Capacity : From 300 GPM up to 3000 GPM
- Head : From 50 MTR up to 209 MTR



Horizontal Split Case Pump Flange Dimension

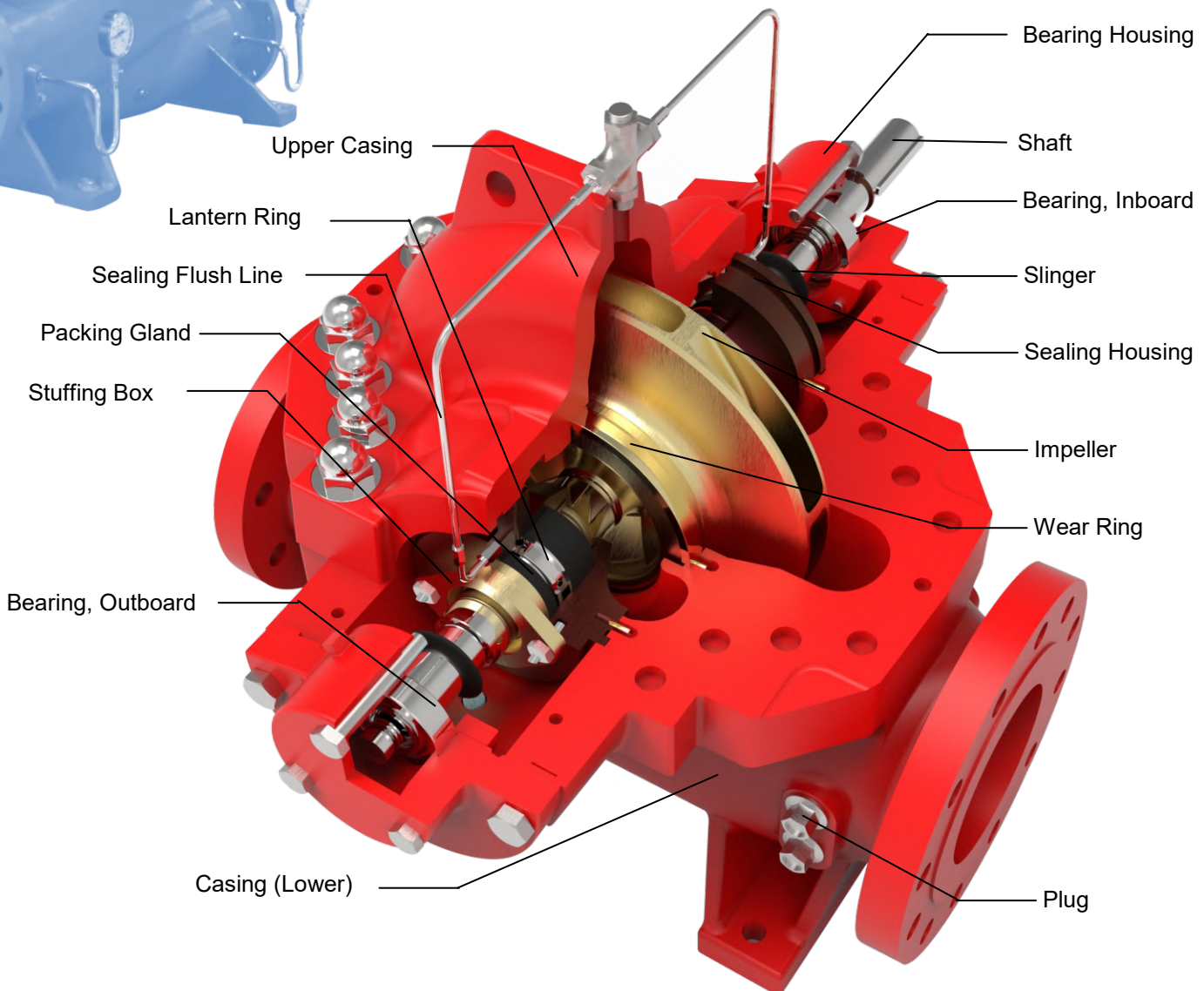


FLANGE DETAILS FOR SUCTION
AND DISCHARGE

Model	Suction					Discharge				
	ID	(Pump Casing Range) OD	No. of Holes	Bolt Hole DIA	PCD	ID	(Pump Casing Range) OD	No. of Holes	Bolt Hole DIA	PCD
BSP 125-270	125	280	8	22	235	80	210	8	22	168
BSP 150-310	150	320	12	22	270	100	255	8	22	200
BSP 150-370	150	320	12	22	270	100	255	8	22	200
BSP 200-290	200	380	12	26	330	125	280	8	22	235
BSP 200-365	200	380	12	26	330	125	280	8	22	235
BSP 6X4X10 HF	150	320	12	22	270	100	250	8	22	200
BSP 10X8X21HF	250	445	16	28	387	200	380	12	25	330
BSP 10X8X29MF	250	445	16	28	387	200	380	12	25	330
BSP 10X8X26MF	250	445	16	28	387	200	380	12	28	330
BSP 8X6X18MF	200	381	12	26	330	150	317.5	12	25	270

- Standard for Cast Iron Flanged Fittings : ANSI / ASME B16.1
- Standard for Ductile Iron Flanged Fittings : ANSI/ASME B16.42

Horizontal Split Case Pump Components



Casing - (Ductile Iron/Cast Iron) - Upper and Lower half bolted and dowelled to provide perfect alignment. Upper half casing can be removed for inspection, without disturbing bearings or alignment.

Shaft Sleeve - (Stainless Steel) - Protect the shaft against corrosion and wear, extends through gland for maximum shaft protection. **Impeller** - (Bronze) - Enclosed, double suction, Cast in one-piece and balance to minimize the thrust and to ensure longer bearing life. Locked in position by shaft sleeve.

Sealing Housing - (Ductile Iron/Cast Iron) - Designed to accept packing with lantern ring. Internally drilled liquid passage in upper-half casing provides lubrication to the packing area.

Impeller - Bronze / Stainless Steel

Shaft - (Stainless Steel/Alloy Steel/Duplex Steel) - Large - diameter, precision-machined, high strength steel shaft for maximum strength with minimum shaft deflection

Wear Ring - (Bronze) - A sacrificial component installed to inhibit fluid from re-circulating back to suction from the discharge.

Lantern Ring - (Stainless Steel) - A perforated hollow ring that receives relatively cool, clean liquid. Distribute uniformly around the shaft to provide lubrication and cooling.

Packing Gland - (Immersion Graphite) - flexibility allows the shaft to run freely as well as leak proof

Stuffing Box (Gland) - (Bronze) - to press the packing gland into the seal area through bolts.

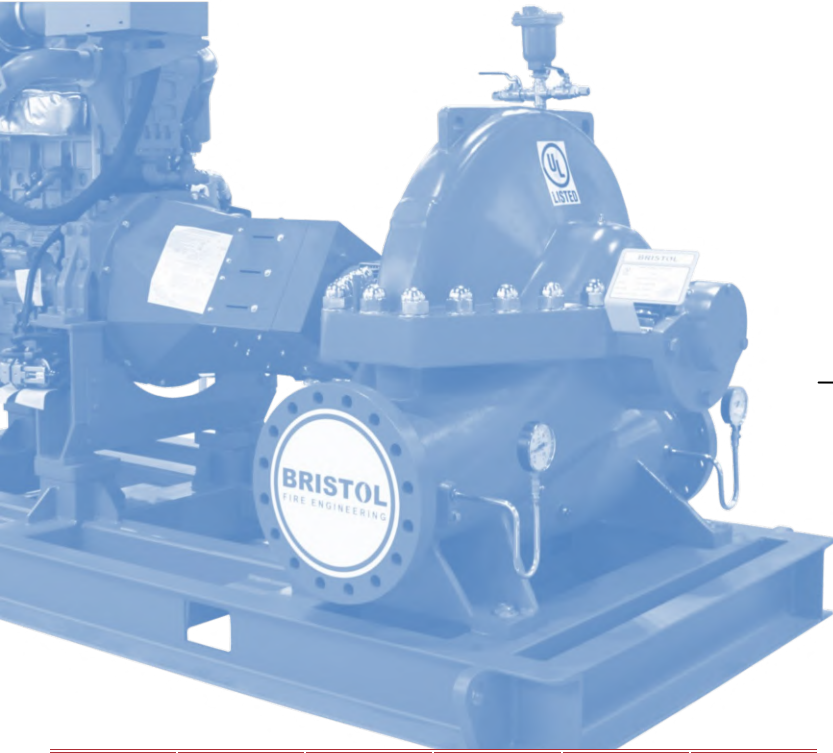
Plug - (Stainless Steel).

Bearing - (SKF) - High speed capability and low friction bearing.

Bearing Housing - (Cast Iron)-Bearing housings are modular assemblies designed to make it easy to install bearings and shafts , while protecting bearings, extending their operating life and simplifying maintenance.

Sealing Flush Line - (Stainless Steel) - Line from discharge of the pump and recirculated through an pressure regulating valve into the gland.

Water Slinger - (Oil Resistant Rubber).



Split Case Pump Selection Chart



Model	Rated Capacity (GPM)	Size (In)	UL Listed Pressure (PSI)	FM Approved Pressure (PSI)	Approx Speed (RPM)
BSP 125-270	300	5x3	117 - 159		2950
BSP 125-270	300	5x3	121 - 165		3000
BSP 125-270	400	5x3	115 - 157		2950
BSP 125-270	400	5x3	120 - 163		3000
BSP 150-310	400	6x4		138 - 226	2950
BSP 150-310	400	6x4		143 - 234	3000
BSP 125-270	450	5x3	114 - 155		2950
BSP 125-270	500	5x3	112 - 154		2950
BSP 125-270	500	5x3	117 - 160		3000
BSP 200-290	500	8x5	165 - 228		3550
BSP 150-310	500	6x4	129 - 222	137 - 225	2950
BSP 150-310	500	6x4	139 - 230	141 - 234	3000
BSP 150-370	500	6x4	238 - 293	231 - 288	2950
BSP 150-370	500	6x4	235 - 264		2800
BSP 150-370	500	6x4	202 - 226		2600
BSP 6x4x10HF	500	6x4	91 - 126	96 - 128	2950
BSP 6x4x10HF	500	6x4	100 - 130	100 - 133	3000
BSP 6x4x10HF	500	6x4	130 - 178	140 - 183	3500
BSP 6x4x10HF	750	6x4	93 - 125	94 - 127	3000
BSP 200-290	750	8x5	161 - 229		3550
BSP 150-310	750	6x4	125 - 223	132 - 225	2950
BSP 150-310	750	6x4	133 - 231	137 - 234	3000
BSP 150-370	750	6x4	228 - 256		2800
BSP 150-370	750	6x4	233 - 285	225 - 282	2950
BSP 150-370	750	6x4	195 - 219		2600
BSP 200-365	750	8x5	193 - 236		2800
BSP 200-365	750	8x5	214 - 262		2950
BSP 200-365	750	8x5	222 - 271		3000
BSP 200-365	750	8x5	165 - 203		2600
BSP 6x4x10HF	750	6x4	85 - 121	90 - 122	2950
BSP 6x4x10HF	750	6x4	123 - 174	132 - 177	3500
BSP 6x4x10HF	1000	6x4	84 - 117	83 - 118	3000
BSP 200-290	1000	8x5	155 - 222		3550
BSP 150-310	1000	6x4	117 - 218	128 - 222	2950
BSP 150-310	1000	6x4	123 - 226	133 - 231	3000
BSP 200-290	1000	8x5	131 - 194	140 - 172	2950
BSP 200-290	1000	8x5	161 - 201	146 - 180	3000
BSP 150-370	1000	6x4	224 - 277	215 - 272	2950
BSP 150-370	1000	6x4	219 - 248		2800
BSP 150-370	1000	6x4	186 - 212		2600
BSP 200-365	1000	8x5	210 - 259		2950
BSP 200-365	1000	8x5	188 - 233		2800
BSP 200-365	1000	8x5	218 - 268		3000
BSP 8x6x18MF	1000	8x6	152 - 238	153 - 238	3000
BSP 8x6x18MF	1000	8x6	153 - 182	159 - 184	2100
BSP 8x6x18MF	1000	8x6	147 - 230	148 - 230	2950
BSP 200-365	1000	8x5	161 - 199		2600
BSP 6x4x10HF	1000	6x4	76 - 112	79 - 113	2950

Model	Rated Capacity (GPM)	Size (In)	UL Listed Pressure (PSI)	FM Approved Pressure (PSI)	Approx Speed (RPM)
BSP 10x8x29MF	1000	10x8	174 - 222	173 - 222	1750
BSP 6x4x10HF	1000	6x4	114 - 166	122 - 168	3500
BSP 10x8x21HF	1000	10x8	87 - 149	86 - 148	1500
BSP 10x8x21HF	1000	10x8	113 - 203	118 - 202	1750
BSP 8x6x18MF	1250	8x6	149 - 231	150 - 229	3000
BSP 8x6x18MF	1250	8x6	150 - 179	154 - 181	2100
BSP 8x6x18MF	1250	8x6	144 - 222	144 - 221	2950
BSP 200-290	1250	8x5	148 - 217		3550
BSP 200-290	1250	8x5	153 - 199	142 - 175	3000
BSP 200-290	1250	8x5	125 - 191	136 - 169	2950
BSP 200-365	1250	8x5	205 - 254		2950
BSP 200-365	1250	8x5	183 - 227		2800
BSP 200-365	1250	8x5	156 - 194		2600
BSP 200-365	1250	8x5	213 - 263		3000
BSP 10x8x21HF	1250	10x8	86 - 149	84 - 146	1500
BSP 10x8x21HF	1250	10x8	111 - 202	118 - 202	1750
BSP 10x8x29MF	1250	10x8	171 - 218	166 - 213	1750
BSP 8x6x18MF	1500	8x6	145 - 221	146 - 220	3000
BSP 8x6x18MF	1500	8x6	147 - 176	149 - 177	2100
BSP 8x6x18MF	1500	8x6	140 - 212	140 - 212	2950
BSP 200-290	1500	8x5	118 - 184	132 - 165	2950
BSP 200-290	1500	8x5	144 - 193	138 - 171	3000
BSP 200-365	1500	8x5	198 - 248		2950
BSP 200-365	1500	8x5	177 - 221		2800
BSP 200-365	1500	8x5	150 - 188		2600
BSP 200-365	1500	8x5	206 - 257		3000
BSP 10x8x21HF	1500	10x8	84 - 148	83 - 145	1500
BSP 10x8x21HF	1500	10x8	110 - 202	115 - 200	1750
BSP 10x8x29MF	1500	10x8	167 - 214	165 - 211	1750
BSP 8x6x18MF	2000	8x6	140 - 168	140 - 170	2100
BSP 8x6x18MF	2000	8x6	129 - 188	130 - 189	2950
BSP 8x6x18MF	2000	8x6	135 - 197	135 - 197	3000
BSP 10x8x21HF	2000	10x8	78 - 144	76 - 142	1500
BSP 10x8x21HF	2000	10x8	105 - 200	108 - 197	1750
BSP 10x8x26MF	2000	10x8	138 - 199	137 - 197	1490
BSP 10x8x26MF	2000	10x8	125 - 198	124 - 198	1760
BSP 10x8x29MF	2000	10x8	122 - 209	123 - 207	1450
BSP 10x8x29MF	2000	10x8	160 - 207	157 - 202	1750
BSP 8x6x18MF	2500	8x6	128 - 158	129 - 159	2100
BSP 10x8x26MF	2500	10x8	130 - 187	129 - 187	1490
BSP 10x8x26MF	2500	10x8	118 - 189	118 - 188	1760
BSP 10x8x29MF	2500	10x8	151 - 196	149 - 193	1750
BSP 10x8x29MF	2500	10x8	114 - 198	114 - 192	1450
BSP 10x8x26MF	3000	10x8	120 - 176	118 - 174	1490
BSP 10x8x26MF	3000	10x8	110 - 181	110 - 179	1760
BSP 10x8x29MF	3000	10x8	140 - 185	137 - 182	1750
BSP 10x8x29MF	3000	10x8	136 - 188	135 - 183	1450



FUEL TANK

Bristol Aboveground tanks are primarily designed for safe storage of flammable and combustible liquids. These tanks are designed, fabricated, tested and labelled in accordance with underwriters laboratories, Inc. UL-142 (Steel Aboveground Tanks for Flammable and Combustible Liquids) standard. Tanks are designed and engineered to meet the demanding needs of many industries.



Type	Tank Capacity (US Gal)		Type	Tank Capacity (US Gal)	
	Listed	Non-Listed		Listed	Non-Listed
Single wall (SW)	25	25	Double wall (DW)	-	25
	70	70		70	70
	120	120		120	120
	180	180		180	180
	280	280		280	280
	360	360		360	360
		400		545	400
		460		770	460
		545		1000	545
		770			770
	1000		1000		

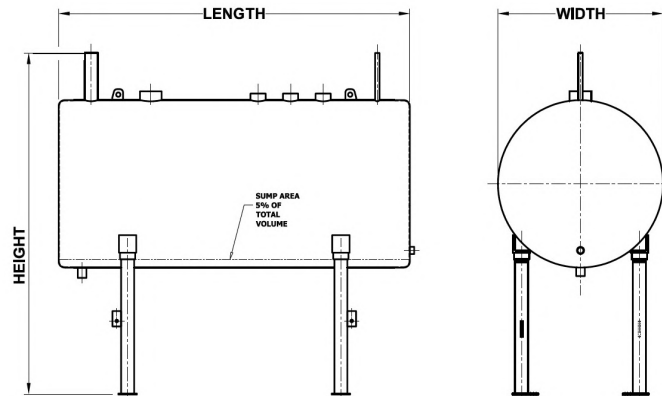


We have experienced team that offers quality engineering and support to help you customize your tank to your specific application. Our tanks are produced according to the highest standards for the commercial, industrial, public and private sectors.

Features

- UL-142 Label
- Standard Capacity: 25 - 1000 US gal.
- MS steel Thickness of 3mm and more.
- connections for normal and emergency venting, gauging, filling and product piping
- Lifting lugs for listed
- Structural legs for easy installation
- Primer paint, Red spray paint finished
- UL File No. MH60409

Tank Dimension

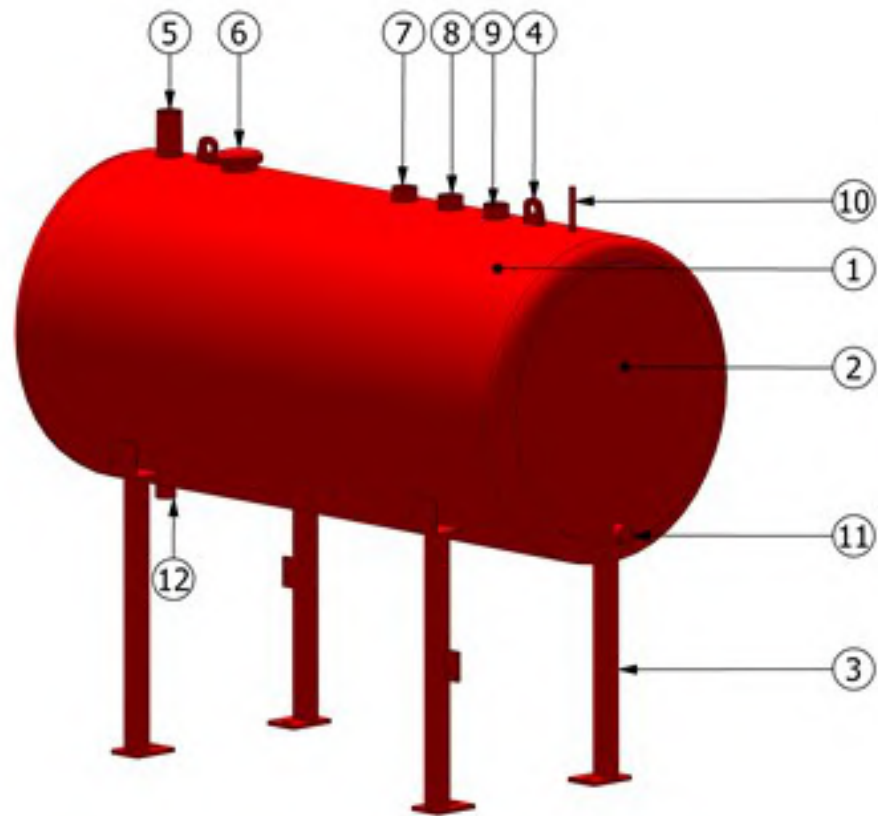


Tank Capacity	Type	Approx. Dimension (Inches)		
		Length	Width	Height
25	SW	33	16	51
70	SW	47	22	49
	DW	49	26	52
120	SW	44	30	57
	DW	47	34	60
180	SW	63	30	57
	DW	67	34	60
280	SW	52	42	66
	DW	55	46	69
360	SW	63	42	66
	DW	67	46	69

* For higher capacities contact Bristol



FUEL TANK COMPONENTS



Description (Typically)

- | | |
|---|---------------------------------------|
| 1. Tank Shell | 7. Normal Vent (2") |
| 2. End Cap (Dish Head) | 8. Fuel Indicator Gauge Connection 2" |
| 3. Leg Assembly | 9. Fuel Switch Connection 2" |
| 4. Lifting Lug (Listed) | 10. Return Connection 1" |
| 5. Fill Cap w/ Provision for pad-lock w/
removable Strainer (1/16" mesh)
(Optional) | 11. Discharge Connection 1-1/4" |
| 6. Emergency Vent (Primary/ Secondary) | 12. Drain Connection |