



# HIGH EXPANSION FOAM GENERATORS

## HIGH EXPANSION FOAM GENERATORS

### DESCRIPTION

The standard Buckeye High Expansion Foam Generators are powered by a water turbine. They are designed to expand the foam solution into millions of tiny stable bubbles. Expansion ratios up to 800 gallons of finished foam for every one gallon of foam solution can be achieved depending on the generator selected, the solution flow rate and the water pressure. However, the optimum expansion ratio is in the range of 500:1 up to 700:1. The standard Buckeye High Expansion Foam Generators require no other source of power such as electricity or gasoline engines. They are powered by the foam solution driving a hydraulic (water) motor or turbine. However, in special cases, where electric motors may be required to drive the fan, Buckeye designed the unit to where the substitution of the water motor with an electric motor is quite straightforward. The expansion of foam solution is achieved by spraying the solution onto a stainless steel screen, then an air stream created by the fan attached to the motor blows air through the screen to produce a mass of foam bubbles. The continuous flow of the foam solution plus the movement of air through the screen will produce large volumes of finished foam. The Buckeye High Expansion Foam Generator is manufactured with a painted carbon steel housing, a stainless steel foam expansion screen and brass foam solution piping.

A pressure gauge is provided at the foam solution inlet. The design of the Buckeye High Expansion Foam Generator is such that a single nozzle with a large diameter orifice sprays foam solution across the aeration screen. The incorporation of this nozzle prevents clogging, thereby ensuring an uninterrupted foam discharge, almost irrespective of the water quality.

### FEATURES

- No outside source of power required - only the pressurized foam solution.
- Highly reliable design, does not require a strainer at the foam solution inlet.
- Single large-orifice spray nozzle to prevent clogging of foam solution discharge.
- Can develop from 1,500 CFM to 30,000 CFM depending on unit selected.
- Units will operate with foam solution pressures as low as 30 psi.
- Stainless steel screen.

- Easy installation with units capable of being mounted in the horizontal or vertical position.
- Generator housing constructed in carbon steel and painted in red enamel paint, although other colors are available upon request.

### PROPORTIONING

Buckeye High Expansion Foam Generators can be used with the following types of proportioning equipment.

- Eductors, Fixed or Portable.
- Bladder tank (Balanced Pressure Proportioning System.)
- In-Line Balanced Pressure (I.L.B.P.) or Balanced Pressure
- Proportioning Skid with foam pump(s.)

### TYPICAL HAZARDS

Typical hazards where Buckeye High Expansion Foam Generators may be used to supply fire protection are:

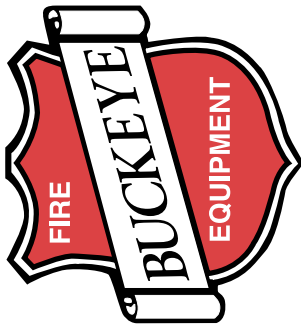
- LNG tank farms/loading facilities.
- Roll paper warehouse.
- Hazardous waste storage facilities.
- Shipboard engine rooms, bilges and holds.
- Aircraft Hangars.
- Chemical storage facilities.
- Flammable liquid packaging/drumming areas.
- Cable tunnels.
- Wildland fire breaks

### ORDERING INFORMATION

When ordering a Buckeye High Expansion Foam Generator, please provide the following information:

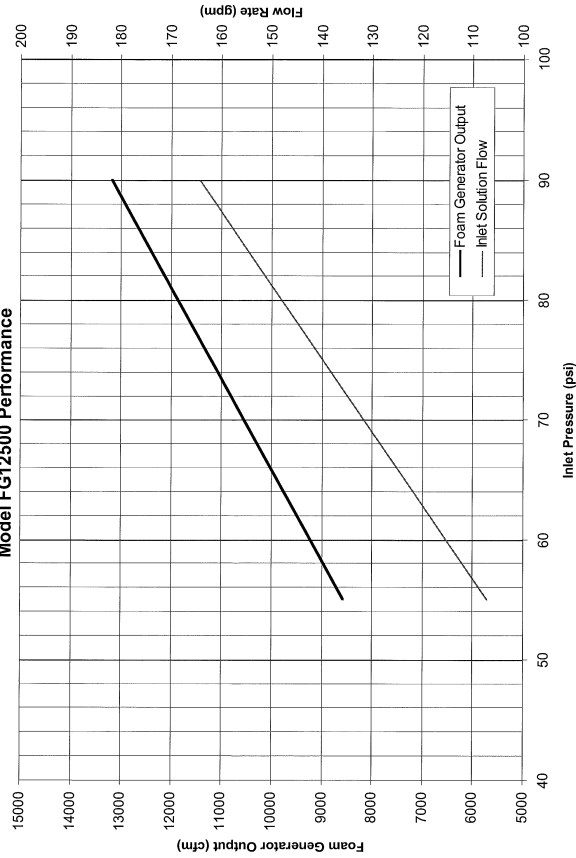
- Volume of risk to be protected.
- Available residual water flow and pressure.
- Method of proportioning required.





# HIGH EXPANSION FOAM GENERATORS

**Buckeye Fire Equipment Co.**  
High Expansion Foam Generator  
Model FG12500 Performance



ITEM QTY	PART NO.	DESCRIPTION	MATERIAL
1	CGA-242-SP	CGA 242 SPRAY NOZZLE	BRASS
3	1/2" X 1/2" HD	1/2" X 1/2" HD BOLT	STAINLESS ST
3	1/2" X 1/2" HD	1/2" X 1/2" HD NUT	STAINLESS ST
1	CGA-553-545	CGA 553-545 SPRAY NOZZLE	BRASS
6	1/4" NPT	1/4" NPT PRESSURE SUGHER	BRASS
1	1/4" NPT	1/4" NPT GUARD PAINTED	BRASS
7	1/2" X 1/2" HD	1/2" X 1/2" HD BOLT	STAINLESS ST
12	300108	1/4" X 1/2" LONG HEX HEAD BOLT	STAINLESS ST
10	300109	1/4" X 1/2" LONG HEX NUT	STAINLESS ST
12	300111	1/4" LOCK WASHER	STAINLESS ST

PSI	GPM	CFM	EXPANSION
90	135	12,964	716/1
70	120	11,448	711/1
55	107	8,529	601/1

UL TESTED

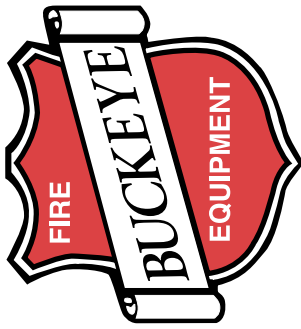
WEIGHT APPROX. 375#

REV.	DATE	REVISION DESCRIPTION	BY	CHK'D
1	6-14-54	REVISED AND REBORN	701	151

UNLESS OTHERWISE SPECIFIED:  
 FRACTIONAL TOLERANCE UP TO 1/8" = +/- 1/32"  
 DECIMAL TOLERANCE FROM 1/32" TO 1/16" = +/- 1/64"  
 DECIMAL TOLERANCE FROM 1/16" TO 1/8" = +/- 1/32"  
 DECIMAL TOLERANCE FROM 1/8" TO 1/4" = +/- 1/64"  
 DECIMAL TOLERANCE FROM 1/4" TO 1" = +/- 1/32"  
 DECIMAL TOLERANCE FROM 1" TO 2" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 2" TO 4" = +/- 1/8"  
 DECIMAL TOLERANCE FROM 4" TO 6" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 6" TO 12" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 12" TO 24" = +/- 1/8"  
 DECIMAL TOLERANCE FROM 24" TO 48" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 48" TO 96" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 96" TO 192" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 192" TO 384" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 384" TO 768" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 768" TO 1536" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1536" TO 3072" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3072" TO 6144" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 6144" TO 12288" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 12288" TO 24576" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 24576" TO 49152" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 49152" TO 98304" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 98304" TO 196608" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 196608" TO 393216" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 393216" TO 786432" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 786432" TO 1572864" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1572864" TO 3145728" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3145728" TO 6291456" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 6291456" TO 12582912" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 12582912" TO 25165824" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 25165824" TO 50331648" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 50331648" TO 100663296" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 100663296" TO 201326592" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 201326592" TO 402653184" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 402653184" TO 805306368" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 805306368" TO 1610612736" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1610612736" TO 3221225472" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3221225472" TO 6442450944" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 6442450944" TO 12884901888" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 12884901888" TO 25769803776" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 25769803776" TO 51539607552" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 51539607552" TO 103079215104" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 103079215104" TO 206158430208" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 206158430208" TO 412316860416" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 412316860416" TO 824633720832" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 824633720832" TO 1649267441664" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1649267441664" TO 3298534883328" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3298534883328" TO 6597069766656" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 6597069766656" TO 13194139533312" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 13194139533312" TO 26388279066624" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 26388279066624" TO 52776558133248" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 52776558133248" TO 105553116266496" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 105553116266496" TO 211106232532992" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 211106232532992" TO 422212465065984" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 422212465065984" TO 844424930131968" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 844424930131968" TO 1688849860263936" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1688849860263936" TO 3377699720527872" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3377699720527872" TO 6755399441055744" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 6755399441055744" TO 13510798882111488" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 13510798882111488" TO 27021597764222976" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 27021597764222976" TO 54043195528445952" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 54043195528445952" TO 108086391056891904" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 108086391056891904" TO 216172782113783808" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 216172782113783808" TO 432345564227567616" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 432345564227567616" TO 864691128455135232" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 864691128455135232" TO 1729382256910270464" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1729382256910270464" TO 3458764513820540928" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3458764513820540928" TO 6917529027641081856" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 6917529027641081856" TO 13835058055282163712" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 13835058055282163712" TO 27670116110564327424" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 27670116110564327424" TO 55340232221128654848" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 55340232221128654848" TO 110680464442257319696" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 110680464442257319696" TO 221360928884514639392" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 221360928884514639392" TO 442721857769029278784" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 442721857769029278784" TO 885443715538058557568" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 885443715538058557568" TO 1770887431076117115136" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1770887431076117115136" TO 3541774862152234230272" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3541774862152234230272" TO 7083549724304468460544" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 7083549724304468460544" TO 14167099448608936921088" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 14167099448608936921088" TO 28334198897217873842176" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 28334198897217873842176" TO 56668397794435747684352" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 56668397794435747684352" TO 113336795588871495368704" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 113336795588871495368704" TO 226673591177742990737408" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 226673591177742990737408" TO 453347182355485981474816" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 453347182355485981474816" TO 906694364710971962949632" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 906694364710971962949632" TO 1813388729421943925899264" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1813388729421943925899264" TO 3626777458843887851798528" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3626777458843887851798528" TO 7253554917687775703597056" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 7253554917687775703597056" TO 14507109835375551407194112" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 14507109835375551407194112" TO 29014219670751102814388224" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 29014219670751102814388224" TO 58028439341502205628776448" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 58028439341502205628776448" TO 116056878683004411257552896" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 116056878683004411257552896" TO 232113757366008822515115792" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 232113757366008822515115792" TO 464227514732017645030231584" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 464227514732017645030231584" TO 928455029464035290060463168" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 928455029464035290060463168" TO 1856910058928070580120926336" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1856910058928070580120926336" TO 3713820117856141160241852672" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3713820117856141160241852672" TO 7427640235712282320483705344" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 7427640235712282320483705344" TO 14855280471425566409767410688" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 14855280471425566409767410688" TO 29710560942851132819534821376" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 29710560942851132819534821376" TO 59421121885702265639069642752" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 59421121885702265639069642752" TO 118842243771404531278139285504" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 118842243771404531278139285504" TO 237684487542809062556278571008" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 237684487542809062556278571008" TO 475368975085618125112557142016" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 475368975085618125112557142016" TO 950737950171236250225114284032" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 950737950171236250225114284032" TO 1901475900342472500450228568064" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1901475900342472500450228568064" TO 3802951800684945000900457136128" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 3802951800684945000900457136128" TO 7605903601369890001800914272256" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 7605903601369890001800914272256" TO 15211807202739780003601828544512" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 15211807202739780003601828544512" TO 30423614405479560007203657089024" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 30423614405479560007203657089024" TO 60847228810959120014407314178048" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 60847228810959120014407314178048" TO 121694457621918240028814628356096" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 121694457621918240028814628356096" TO 243388915243836480057629256712192" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 243388915243836480057629256712192" TO 486777830487672960115258513424384" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 486777830487672960115258513424384" TO 973555660975345920230517026848768" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 973555660975345920230517026848768" TO 194711132195069184046103405369536" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 194711132195069184046103405369536" TO 389422264390138368092206810739072" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 389422264390138368092206810739072" TO 778844528780276736184413621478144" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 778844528780276736184413621478144" TO 1557689057560553472368827242956288" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 1557689057560553472368827242956288" TO 3115378115121106944737654451912576" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 3115378115121106944737654451912576" TO 6230756230242213889475308903825152" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 6230756230242213889475308903825152" TO 1246151246048442777895061780765024" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1246151246048442777895061780765024" TO 2492302492096885555790123561530048" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 2492302492096885555790123561530048" TO 4984604984193771111580247123060096" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 4984604984193771111580247123060096" TO 9969209968387542223160494246120192" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 9969209968387542223160494246120192" TO 19938419936775084446320988492240384" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 19938419936775084446320988492240384" TO 39876839873550168892641976984480768" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 39876839873550168892641976984480768" TO 79753679747100337785283953968961536" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 79753679747100337785283953968961536" TO 15950735949420067557056790793793072" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 15950735949420067557056790793793072" TO 31901471898840135114113581587586144" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 31901471898840135114113581587586144" TO 63802943797680270228227171751732288" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 63802943797680270228227171751732288" TO 127605887595360540456454343503464576" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 127605887595360540456454343503464576" TO 25521177519072108091290868700693152" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 25521177519072108091290868700693152" TO 51042355038144216182581737401386304" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 51042355038144216182581737401386304" TO 10208471007628843236516347480276608" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 10208471007628843236516347480276608" TO 20416942015257686473032694960553216" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 20416942015257686473032694960553216" TO 40833884030515372946065389921106432" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 40833884030515372946065389921106432" TO 81667768061030745892130779842212864" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 81667768061030745892130779842212864" TO 163335536122061491784261559684425728" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 163335536122061491784261559684425728" TO 326671072244122983568523119368851456" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 326671072244122983568523119368851456" TO 653342144488245967137046238737702912" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 653342144488245967137046238737702912" TO 130668428897649193427409247547405824" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 130668428897649193427409247547405824" TO 261336857795298386854818495094811648" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 261336857795298386854818495094811648" TO 522673715590596773709736990189623072" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 522673715590596773709736990189623072" TO 1045347431181193547419473980379246144" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 1045347431181193547419473980379246144" TO 2090694862362387094838947960758492288" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 2090694862362387094838947960758492288" TO 4181389724724774189677895921516984576" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 4181389724724774189677895921516984576" TO 8362779449449548379355791843033969152" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 8362779449449548379355791843033969152" TO 16725558898899096758711583686067938304" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 16725558898899096758711583686067938304" TO 33451117797798193517423167372135876608" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 33451117797798193517423167372135876608" TO 669022355955963870348463347442713216" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 669022355955963870348463347442713216" TO 1338044711911927740696926748885424432" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 1338044711911927740696926748885424432" TO 2676089423823855481393853497770848864" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 2676089423823855481393853497770848864" TO 535217884764771096278770699554169728" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 535217884764771096278770699554169728" TO 1070435769529542192557541399108339456" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 1070435769529542192557541399108339456" TO 2140871539059084385115082798216678912" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 2140871539059084385115082798216678912" TO 4281743078118168770230165596433377824" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 4281743078118168770230165596433377824" TO 8563486156236337540460331192866755648" = +/- 1/16"  
 DECIMAL TOLERANCE FROM 8563486156236337540460331192866755648" TO 1712697231247267508092066385733351136" = +/- 3/32"  
 DECIMAL TOLERANCE FROM 1712697231247267508092066385733351136" TO 342

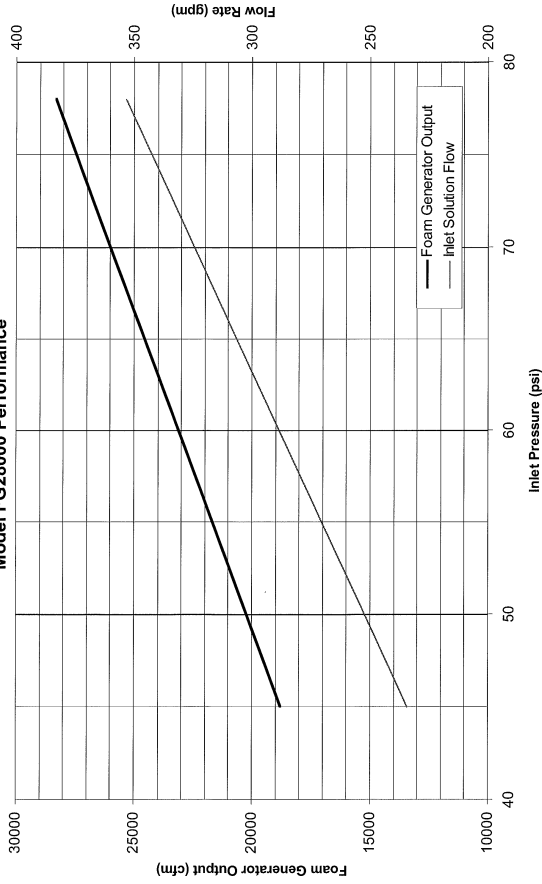






# HIGH EXPANSION FOAM GENERATORS

## Buckeye Fire Equipment Co. High Expansion Foam Generator Model FG28000 Performance



ITEM QTY	PART NO.	DESCRIPTION	MATERIAL
1	FG28-48-00	PUMP HOUSING ASSY (ZINC PLATED)	BRASS
1	FG28-48-01	PROPELLER	BRASS
1	FG28-48-02	PROPELLER GUNNER CLOCKWISE SEWAL 304 SS	304 SS
1	FG28-48-03	3" X 4" NPT BRASS NIPPLE	BRASS
1	FG28-48-04	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-05	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-06	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-07	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-08	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-09	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-10	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-11	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-12	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-13	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-14	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-15	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-16	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-17	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-18	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-19	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-20	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-21	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-22	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-23	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-24	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-25	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-26	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-27	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-28	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-29	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-30	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-31	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-32	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-33	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-34	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-35	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-36	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-37	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-38	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-39	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-40	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-41	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-42	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-43	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-44	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-45	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-46	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-47	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-48	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-49	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-50	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-51	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-52	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-53	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-54	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-55	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-56	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-57	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-58	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-59	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-60	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-61	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-62	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-63	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-64	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-65	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-66	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-67	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-68	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-69	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-70	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-71	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-72	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-73	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-74	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-75	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-76	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-77	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-78	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-79	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-80	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-81	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-82	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-83	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-84	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-85	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-86	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-87	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-88	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-89	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-90	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-91	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-92	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-93	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-94	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-95	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-96	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-97	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-98	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-99	3/4" NPT BRASS NIPPLE	BRASS
1	FG28-48-100	3/4" NPT BRASS NIPPLE	BRASS

PSI	GPM	CFM	EXPANSION
78	324	28,367	65.5/1
60	259	23,848	61.8/1
45	245	18,532	56.6/1

U.L. TESTED

7/8" BOLT HOLES  
2" NPT INLET  
WEIGHT APPROX 625H