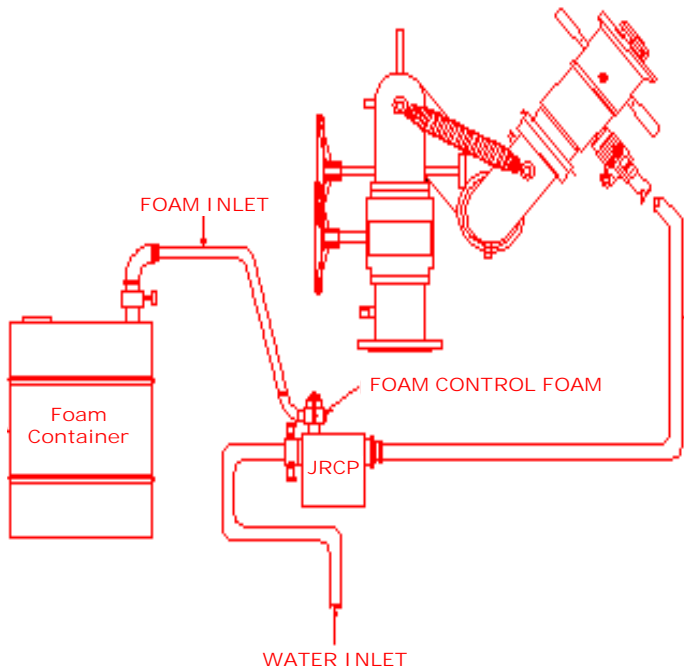
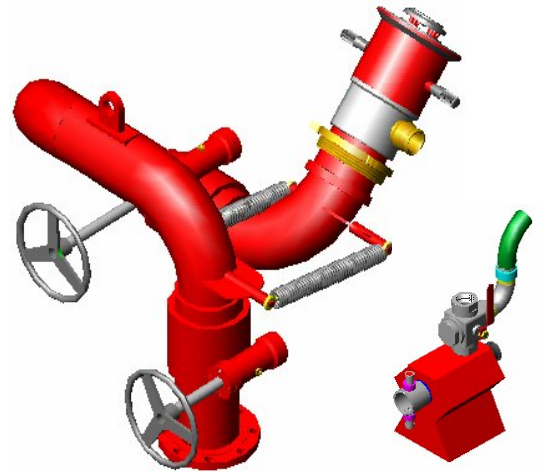


**UL LISTED FIRE FOAM MONITOR**

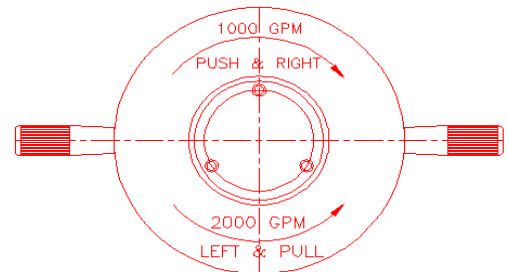
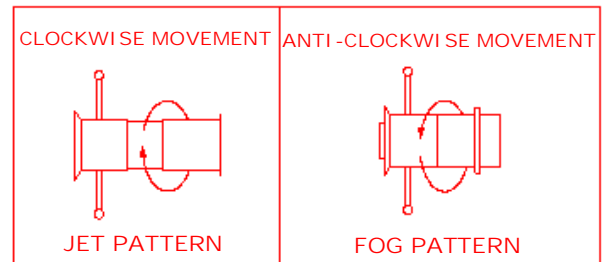
**MODEL GGT SGR 2000/1000**

**1. GENERAL DESCRIPTION**

The manually operated non-aspirating Foam Monitor fully made of Stainless Steel, capable to discharging 2000 US GPM / 1000 US GPM (7570 LPM & 3785 LPM) at 100 PSI (7 bar) inlet pressure over a range of 70 to 80 meters in horizontal direction and 35 to 40 meters in vertical direction. **The Foam Monitor has adjustable flow discharge capacity of 2000 US GPM / 1000 US GPM in single Nozzle.** Foam monitors are very compact in construction and gives good flexibility of the operation while fighting with fire. Foam proportioning 3 % is done with help of water operated Jet Ratio Control Pump (JRCP) suitable for feeding foam concentrate solution to the monitor nozzle from a distance of 100 mtrs. The Foam Monitor has facility for converting Water/Foam jet to fog and vice-versa very quickly and easily, even during continuous operation. Foam Monitor is provided with two numbers of self-locking swivel gear bearing for rotation in horizontal and vertical direction through hand wheel operation even under high operating pressures. A single fire fighter can manually operate the Foam Monitor with large flow & long-range capability. The monitor assembly is designed to withstand the nozzle reaction force experienced during the operation of jet/ fog. **The MONITOR and JRCP having the variable discharge capacity of 2000 US GPM & 1000 US GPM is approved & listed by UL (USA).**



**Jet & Fog Adjustment**



**Nozzle Adjustment for 2000 US GPM / 1000 US GPM**

**General Arrangement Drawings for 1000 US GPM / 2000 US GPM Foam Monitor.**

**UL LISTED FIRE FOAM MONITOR**

**MODEL GGT SGR 2000/1000**

**2. SALIENT FEATURES**

- ✚ Certified and Approved by (UL) Underwriters Laboratory USA for use with variable flow.
- ✚ High Discharge Capacity of 2000 & 1000 US GPM (7570 LPM & 3785 LPM) with Single Nozzle at 100 PSI inlet pressure.
- ✚ Excellent Horizontal throw of 70 to 80 Meter long and above
- ✚ Excellent Full Fog & Semi Fog Coverage.
- ✚ Variable flow of 2000 & 1000 GPM in single nozzle (benefit of two monitor in single Nozzle).
- ✚ JRCP is Capable to induct foam from a distance of 100 meter from the monitor nozzle.
- ✚ JRCP with 3% induction to match variable flow (1000 US GPM & 2000 US GPM) of monitor nozzle.
- ✚ Very compact in construction and gives good flexibility of the operation while fire fighting
- ✚ Low Expansion, so less loss of foam & more cooling effect on burning surface.
- ✚ Quick change over from jet to fog even under water pressure with single firefighter.
- ✚ Easy maneuverability in horizontal and vertical plane
- ✚ Fully Stainless Steel Construction
- ✚ Almost maintenance free
- ✚ Available In Fixed and Mobile Version
- ✚ Various Metallurgy Option

**3. APPLICATION**

The Monitor is highly effective with water and foam for fast knockdown of Fires at Oil & Gas Plants, Off-Shore & On Shore Platforms, Oil Refineries, Petroleum Storage Tanks & Depots, Chemical & Fertilizer Plants, Steel Plants, Power Plants, Ammunition Depots, Defense Stores, Naval Ships And Submarine, Ships & Oil tankers Ports & Jetties Etc.

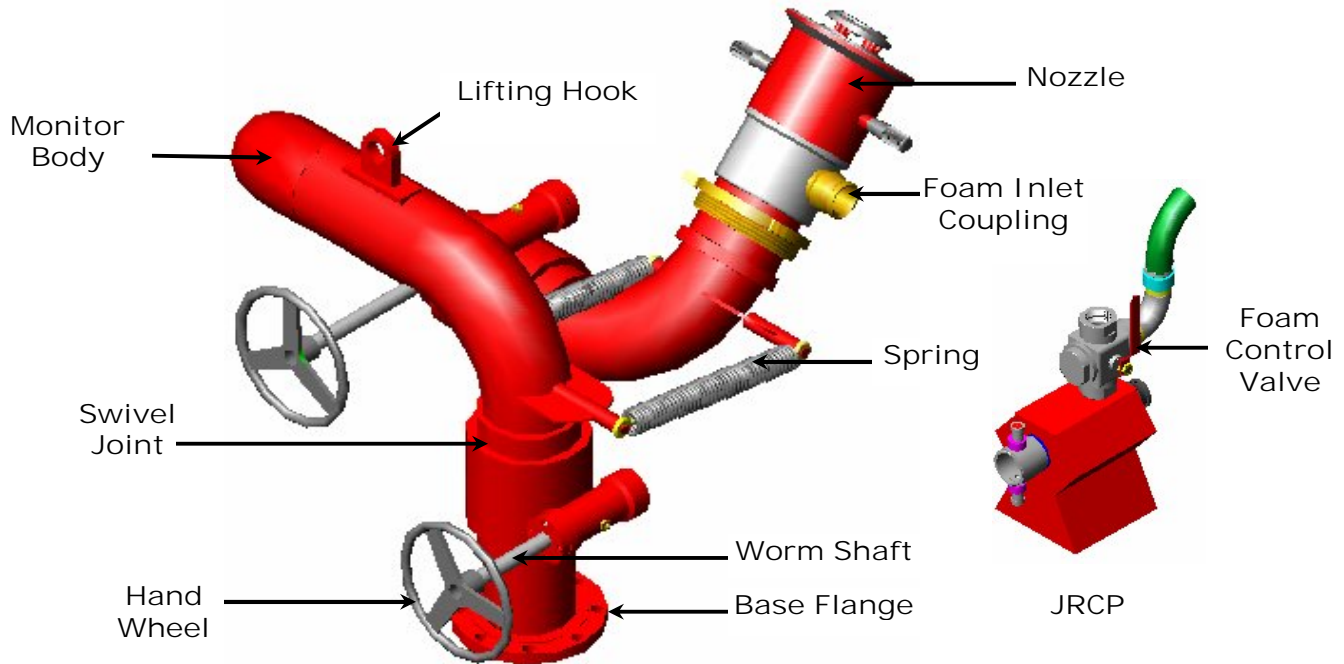
**4. TECHNICAL SPECIFICATION**

✚ <b>Flow at 100 psi (7 bar) pressure</b>	:	<b>2000 US GPM &amp; 1000 US GPM</b>
✚ Nozzle	:	Non-aspirating type
✚ <b>Induction Type</b>	:	<b>JRCP Type</b>
✚ Induction Rate	:	3 % (As Per UL Guidelines)
✚ Monitor Elevation	:	+ 90 <sup>0</sup> & -10 <sup>0</sup> Vertical
✚ Rotation	:	360 <sup>0</sup> Horizontal.
✚ Water way size	:	150 NB
✚ Inlet Flange Size	:	6" NB 150# S.O.R.F Flange
✚ Hydrostatic Test Pressure	:	21 bar.
✚ Paint / Finish	:	Fire red shade of Epoxy / Powder Coating

**UL LISTED FIRE FOAM MONITOR**

**MODEL GGT SGR 2000/1000**

**5. MATERIAL OF CONSTRUCTION FOR MONITOR AND NOZZLE**



✚ Base Flange	:	SS 304
✚ Monitor Body	:	SS 304
✚ Swivel joint	:	SS 304 / Gun Metal / Bronze
✚ Worm Shaft	:	SS 304
✚ Hand Wheel	:	SS 304
✚ Neck Ring	:	SS 304
✚ Foam Intake coupling	:	SS 304
✚ Foam Nozzle	:	SS 304 / Bronze / Aluminum / Gun Metal
✚ Lifting Hook	:	SS 304
✚ JRCP	:	SS 304
✚ Foam Control Valve	:	SS 304

**MONITOR ALSO AVAILABLE IN METALLURGY OF SS 316 FOR SPECIAL APPLICATION.**

**6. AQUA FOAM JET CONTROL PUMP**

Water operated Jet Ratio Control Pump (JRCP) is suitable for feeding foam concentrate solution to the monitor nozzle from a distance of 100 mtrs & above in horizontal plane. The inlet & outlet of JRCP are provided with 63 mm. Male & female coupling respectively. The monitor comes with 1 Nos. of JRCP for its use at 2000 GPM & 1000 GPM with a control valve for selecting the induction of 2000 US GPM and 1000 US GPM at induction rate of 3%.

1. Material of Aqua Powered Pump	:	SS 304
2. Inlet & Outlet Coupling	:	2 1/2" mm Male/Female coupling (SS 304)
3. Foam Induction Rate	:	3% (as per UL Guidelines) for 2000 & 1000 GPM
4. Foam Pick up tube	:	PVC 3 Mtrs Long
5. Delivery Distance	:	Aqua Foam Jet Controller is capable to feed foam solution to the monitor nozzle from a distance of 100 mtrs & above in horizontal plane.

**UL LISTED FIRE FOAM MONITOR**

**MODEL GGT SGR 2000/1000**

**7. PERFORMANCE OF MONITOR AT 100 PSI (IN STILL AIR CONDITION) at Nozzle at 1000 GPM**

- |   |   |          |
|---|---|----------|
| a) Water jet at 30° from Horizontal plane | : | 70 mtrs. |
| b) Foam jet at 30° from Horizontal plane  | : | 65 mtrs. |
| c) Fog jet at 30° from Horizontal plane   | : | 20 mtrs. |
| d) Water jet at 85° from Horizontal plane | : | 35 mtrs. |

**8. PERFORMANCE OF MONITOR AT 100 PSI (IN STILL AIR CONDITION) at Nozzle at 2000 GPM**

- |   |   |          |
|---|---|----------|
| a) Water jet at 30° from Horizontal plane | : | 80 mtrs. |
| b) Foam jet at 30° from Horizontal plane  | : | 75 mtrs. |
| c) Fog jet at 30° from Horizontal plane   | : | 20 mtrs. |
| d) Water jet at 85° from Horizontal plane | : | 40 mtrs. |

**9. APPROVAL: UL LISTED WITH FOLLOWING FEATURES**

- |                          |   |   |
|--------------------------|---|---|
| a) Nozzle                | : | Non Air Aspirating Nozzle   |
| b) Monitor Solution Flow | : | 2000 / 1000 GPM (single nozzle)   |
| c) Operating Pressure    | : | 100 PSI   |
| 10. Induction            | : | 3% Using JRCP and selection of 1000 US GPM and 2000 US GPM is done with the help of the Foam Control Valve. |