

# HANDLINE FIRE HOSE NOZZLES



## TECHNICAL DATA

MODEL	CG
SIZE	1½" (38 mm), 2½" (65 mm)
OPERATING PRESSURE	50-100 PSI (3.5-7 Bar)
MATERIAL	Hard Anodized Aluminium
SPINNING TEETH	Stainless Steel
FINISH	Black
INLET CONNECTION	BS336, NH or STORZ



## DESCRIPTION

HD Handline Fire Hose Pistol Grip Nozzles are specially designed for use in the manual firefighting operations to provide a simple and reliable method for constant flow applications. The pistol grip handle is designed for greater comfort and control. The nozzles are durable and light weight with aluminium construction.

HD Handline Nozzles provide a unique combination of solid stream and fog simultaneously or solid stream and fog independently without shutting down. The constant flow feature maintains the same flow-rate throughout the stream pattern selection, i.e., straight stream through wide fog.

Nozzles have Pistol design with ultra-durable handle for long service life. These are compact in design, have pattern identification with larger and legible labels. These are easy and simple to operate by rotating 180° from straight stream to fog type stream. An inlet strainer prevents entry of foreign particles in the waterway. Nozzle can be easily operated by a single firefighter. A Stainless filter mesh at inlet prevents blockage caused by debris

HD Handline Nozzles come in constant gallonage model with fixed flow at 3.5 and 7 Bar inlet pressure. The flow chart values are given in Table I below

**TABLE I**

38mm Constant Nozzle Flow Rate Chart

Tip Size	Inlet Pressure (PSI)	Jet Pattern (GPM)	Fog Pattern (GPM)
3/8"	50 PSI	23 GPM	42 GPM
3/8"	100 PSI	36 GPM	60 GPM
1/2"	50 PSI	45 GPM	42 GPM
1/2"	100 PSI	66 GPM	60 GPM
5/8"	50 PSI	75 GPM	42 GPM
5/8"	100 PSI	110 GPM	60 GPM

65mm Constant Nozzle Flow Rate Chart

Tip Size	Inlet Pressure (PSI)	Jet Pattern (GPM)	Fog Pattern (GPM)
3/4"	50 PSI	115 GPM	95 GPM
3/4"	100 PSI	160 GPM	135 GPM
7/8"	50 PSI	155 GPM	95 GPM
7/8"	100 PSI	220 GPM	135 GPM
15/16"	50 PSI	180 GPM	95 GPM
15/16"	100 PSI	250 GPM	135 GPM
1"	50 PSI	205 GPM	95 GPM
1"	100 PSI	285 GPM	135 GPM

HD Handline Fire Hose Nozzles are affordably priced, and need very less maintenance. All HD Handline Nozzles comply with the requirements of NFPA 1964, Standard for Spray Nozzles (Shutoff and Tip).

## INSTALLATION

- Always ensure that the thread on the nozzle swivel is matched to the thread on the hose connection.
- Ensure that the nozzle is pointed towards the right direction before opening the shut-off handle.
- At pressures below the selected model, the nozzle will have reduced flow and reach. Therefore be sure that this is enough for fire-fighting application. (Refer NFPA or Authority having Jurisdiction)
- These Nozzles are not meant for any Electrical Fires.
- Always flush the Nozzles with fresh water, after using these with Foam or Salt-Water.

## CAUTION

- Do not operate the Nozzle at higher pressures.
- Do not drop the Nozzle.
- Do not dis-assemble any Parts without consulting HD after Sales Team.
- Care should be taken while opening and closing any shutoff. Rapid closure and/or opening may cause water hammer effect or pressure surges, which may cause operator injury or nozzle damage.
- The Nozzle is not meant to be used in freezing temperatures.
- The nozzle should be visually inspected prior to each use, to ensure it is in good operating condition.
- Monthly Visual Inspections and Quarterly Operational Tests are recommended.

## LIMITED WARRANTY

HD FIRE PROTECT PVT. LTD. hereby referred to as HD FIRE warrants to the original purchaser of the fire protection products manufactured by HD FIRE and to any other person to whom such equipment is transferred, that such products will be free from defect in material and workmanship under normal use and care, for two (2) years from the date of shipment by HD FIRE. Products or Components supplied or used by HD FIRE, but manufactured by others, are warranted only to the extent of the manufacturer's warranty. No warranty is given for product or components which have been subject to misuse, improper installation, corrosion, unauthorized repair, alteration or un-maintained. HD FIRE shall not be responsible for system design errors or improper installation or inaccurate or incomplete information supplied by buyer or buyer's representatives. HD FIRE will repair or replace defective material free of charge, which is returned to our factory, transportation charge prepaid, provided after our inspection the material is found to have been defective at the time of initial shipment from our works. HD FIRE shall not be liable for any incidental or consequential loss, damage or expense arising directly or indirectly from the use of the product including damages for injury to person, damages to property and penalties resulting from any products and components manufactured by HD FIRE. HD FIRE shall not be liable for any damages or labour charges or expense in making repair or adjustment to the product. HD FIRE shall not be liable for any damages or charges sustained in the adaptation or use of its engineering data & services. In no event shall HD Fire's product liability exceed an amount equal to the sale price. The foregoing warranty is exclusive and in lieu of all other warranties and representation whether expressed, implied, oral or written, including but not limited to, any implied warranties or merchantability or fitness for a particular purpose. All such other warranties and representations are hereby cancelled.

### NOTICE :

The equipment presented in this bulletin is to be installed in accordance with the latest publication standards of NFPA or other similar organisations and also with the provision of government codes or ordinances wherever applicable.

The information provided by us is to the best of our knowledge and belief, and consist of general guidelines only. Site handling and installation control is not in our scope. Hence we give no guarantee for result and take no liability for damages, loss or penalties whatsoever, resulting from our suggestion, information, recommendation or damages due to our product.

Product development is a continuous programme of HD FIRE PROTECT PVT. LTD. and hence the right to modify any specification without prior notice is reserved with the company.



**HD FIRE PROTECT PVT. LTD.**  
Protecting What Matters Most to You

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