

Harrier

Selectable Flow Water and Foam Nozzle

The Harrier Selectable Flow Nozzle provides professional fire fighters with a range of flow and stream combinations to meet their needs without having to leave the area of the incident to change nozzles. This increases foam application when used in conjunction with the optional dedicated foam tube.



The light alloy, ergonomically designed pistol grip, and hoop lever on/off control enable the nozzle to be directed at the same time as the flow rate and the spray are adjusted.

The body is manufactured in light alloy for ease of handling and all alloy components are hard anodised to provide corrosion protection and a long lasting protective surface finish.

Selectable flow rate and flushing option

The flow rate can be set via an easy grip ring on the body to one of 4 pre-set positions.

Once operations are completed the flow adjuster can be set to a "Flush" setting to ensure any foam or debris is flushed from the nozzle.

Water fog

To generate a homogeneous water fog, spinning teeth (made from high grade 316 stainless steel for a long corrosion-free life) are built into the nozzle end to break up the water stream into small droplets.

Adjustment ring markings

Markings on the flow selector ring and the pattern bumper ring are laser etched onto anodised aluminium to ensure they are easy to read and fade free.

Unique serial number

Every nozzle is etched with a unique serial number before leaving the factory. The number can be used to log each nozzle into inventory and to track equipment in the field.

Setting	A	B	C	D
Flow l/min	115	230	360	475
Flow imperial Gal/min	25	50	80	105
Flow US Gal/min	30	60	95	125

Shut off valve

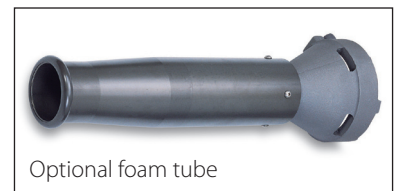
A dual seat, low maintenance, hard chrome plated metal ball valve is operated by an easy grip hoop on/off lever. Operation is smooth and progressive to allow the operator complete control over the nozzle action.

Stainless steel inlet screen

A stainless steel mesh inlet screen is fitted as standard to the inlet to guard against materials entering the nozzle, reducing the risk of damage during operation.

Selectable spray pattern - extra wide spray/fog to long throw jet

The spray pattern can be set by rotating the nozzle end from a jet stream to extra wide spray/fog. (27 steps)

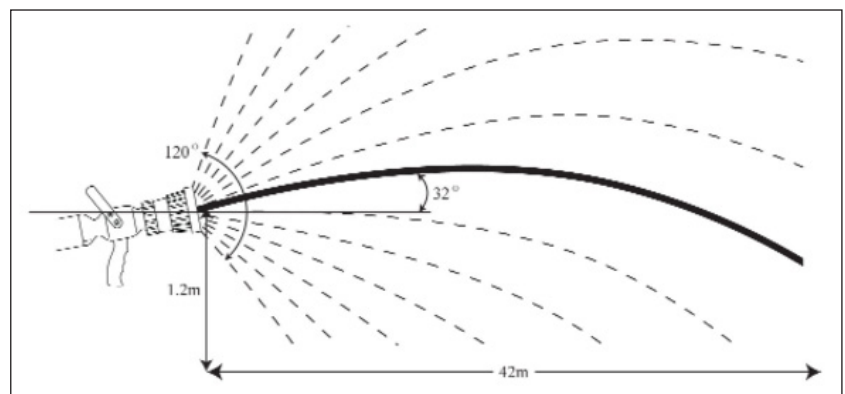


The spray pattern and flow rate can be adjusted separately or together during operation. Adjustment of the spray pattern does not affect the flow rate which remains constant once set.

An extra wide spray pattern is available for maximum operator protection.

Reach when set to parallel jet 42m (flow 475 l/min, input pressure 7 bar).

The jet stream setting can be maintained at a usable level down to inlet pressures as low as 3.5 bar (50 psi).





ANGUS FIRE

Inlet layout and combinations

The Harrier Selectable Flow Nozzle is supplied with a 1½" BSP female thread and British 2½" instantaneous coupling as standard. Adapters to allow Storz and most fire hose fittings in common use world wide are available on request.

The inlet is fitted with a swivel to allow the nozzle to be rotated continuously on the end of the supply hose.

Foam

The Harrier Selectable Flow Nozzle is ideally suited for use with Angus foam solutions (either pre-mix or inducted into the supply line). With the addition of the optional foam tube, foam throw and quality are maximised.

Approvals and standards

Complies with NFPA 1964

Manufactured in an ISO9001 accredited facility

Service and maintenance

The Selectable Flow Nozzle **Harrier** requires minimal maintenance during operation provided the unit is regularly flushed after being used with foam or contaminated water.

It is recommended the nozzle is stripped and inspected annually if in regular service. Use in arduous conditions may require more frequent servicing.

Service kit - No 1001

Options

Nozzle tip only

Alternative inlets - Storz.

Threaded US fire, BSP.

(Inlets to meet all world wide fire hose connections in common use on request)

Harrier nozzle with Gunmetal or Brass body

Foam tube - mountable on to end of nozzle to improve foam flow characteristics and quality

Constant pressure (inlet) model. Flow is automatically adjusted to provide for a constant inlet pressure

Alternative flow ranges (refer to Angus Fire)

Technical Data Summary Angus High Combat Harrier constant flow branch pipe/nozzle

Applicable codes and standards	NFPA 1964
Min/Max temperature for normal use (water supply above 0°C)	-20°C / +50°C
Minimum pressure for full operation	3.5 barg
Maximum pressure for full operation	14 barg
Optimum design pressure	7 barg
Test pressure (shut off valve closed)	23 barg
Body materials	Aluminium, Brass, Gunmetal
Media (with aluminium body)	Potable (fresh) water and fire fighting foam
Media (with brass/gunmetal body)	Sea water and fire fighting foam
Nozzle tip operation	Infinitely adjustable between 120° fog spray and straight jet
Jet throw	42m (at 7 barg inlet and 475 l/min flow)
Performance - constant flow settings	115/230/360/475 l/min
Nominal body size	40mm (1½")
Body inlet connection	1½" BSP female thread with swivel
Inlet connection (standard)	2½" British instantaneous coupling
Inlet connection (options)	Storz, US fire thread
Shut off	Hand operated hard chrome plated steel ball valve
Weight	1.6 kg (3.5lbs)
Overall length	216 mm (8.5")
Finish	Hard anodised
Markings	Laser etched onto anodised bands
Serial numbering	Unique factory etched serial number

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