



















# Nozzle Application Chart

If you cannot find the nozzle you are looking for, please ask. Many of our nozzles are made to order and we can often supply additional flow rates, spray angles and materials to those published if your application demands them.

Applications are for guidance only, for advice on your specific situation, please call us on +44 (0)1954 260097 or e-mail [info@hypro-ind.co.uk](mailto:info@hypro-ind.co.uk)

Spray Pattern	Type of Nozzle	Nozzle Characteristics	Types of Application				Impact	Flow	Common Droplet Spectrum*	Connection			Spray Angles (Varies with pressure)	Max flow	Polyacetal	PVDF	Polyprop	PVC	Brass	S Steel 303	S Steel 316	S Steel 416	Page	Type of Nozzle
			Washing / rinsing	Chemical spraying	Surface treatment	Environment control / misting				Flanged	Thread	Push Fit												
FLAT FAN	CM Series		A high impact spray of coarser droplets. Constructed with a threaded hex body for ease of fitting. Non-clogging, one piece design. Also available as a shorter "stubby" (HCM) option, that is ideal where space is restricted.	✓	✓	✓			High	High	Fine/Coarse		M	✓				✓		✓			14,15	CM Series
	SN Series		A high impact spray of coarser droplets. Non-clogging one piece construction with precision machined deflector plate for maximum impact and washing effectiveness.	✓					High	High	Coarse		M						✓	✓	✓		16	SN Series
	F/E Series		A medium impact spray available in a range of droplet spectrums. Single piece construction. Flanged for use in a threaded holder with a cap nut or in a bayonet cap with locked spray fan orientation.	✓	✓				Med	Med	Fine/Coarse	✓							✓	✓			17	F/E Series
	AN Series		A medium impact wide angled spray of coarser droplets. One piece design deflects spray at 75° from inlet orifice. Good clog resistance makes AN nozzles suitable for use with a wide range of fluids.	✓	✓	✓			Med	High	Coarse	✓	M					✓	✓		✓		18,19	AN Series
	Impact-Pro HP Series		A very high impact spray for efficient pressure washing. One piece design with male thread. The hex body makes for fast fitting without the risk of damage.	✓					Very High	High	Coarse		M									✓	20	Impact-Pro HP Series
	XT Series		A coarse spray designed to be projected up to 5 metres from a moving vehicle creating a wide spray swath without a spray boom. Useful for spraying where there are obstacles.		✓	✓			High	High	Coarse		M									✓	21	XT Series
	C Series		A high impact coarse spray designed specifically for use in continuous metal casting. Three piece construction with internal deflector produces a uniform spray. Flanged connection fits 1" cap nut.			✓			High	Med	Coarse	Fits 1" Cap Nut							✓				22	C Series
FULL CONE	L Series		A medium / fine quality spray with circular spray pattern and uniform droplet size. Female or male thread options. Designed for cooling in the steel industry.			✓	✓	Med/High	Med	Med/Fine		M/F						✓	✓	✓		24	L Series	
	TN / FCX Series		A low flow, medium quality spray. Flange connection for use with a threaded nozzle holder and cap nut or in a bayonet cap. Standard 70° or wide (W) 110° angle options. Metal (TN) or polyacetal (FCX) options.	✓		✓	✓	Med	Low/Med	Med	✓							✓		✓		25	TN / FCX Series	
	FN Series		A high flow medium / fine quality spray. One piece construction with an internal swirl core to generate full cone or square spray pattern. Threaded hex body for ease of fitting.	✓	✓	✓	✓	Med	High	Med/Fine		M/F						✓	✓	✓		26	FN Series	
	GN Series		A medium/fine quality spray. Male or female threaded options. Right angle design with square body for easy fitting. Three piece construction allows removal of nozzle for cleaning.	✓	✓	✓	✓	Med	Med	Med/Fine		M/F						✓	✓			27	GN Series	
	FP Series		A low flow medium / fine quality spray suitable for low volume spraying applications. Hex body with male thread. Internal impeller creates full cone pattern.	✓	✓		✓	Low	Low	Med/Fine		M			✓								28	FP Series
HOLLOW CONE	HAF / HCX Series		A low flow nozzle producing a fine mist of droplets. Flanged fitting fits threaded nozzle holder and cap nut assembly or standard hollow cone bayonet caps. Filter options available.		✓	✓	✓	Low	Low/Very Low	Fine	✓							✓		✓		30	HAF / HCX Series	
	H Series		A medium flow nozzle producing a mist of droplets. Right angle design with square body for easy fitting. Two piece design with no internal parts to reduce the risk of blockage and smooth flow to minimise nozzle wear.			✓	✓	Low	Med	Fine		M/F						✓		✓		31	H Series	
	FS Series		A medium flow misting nozzle producing a mist of spray droplets. One piece body with an internal spiral core. Hex body with a range of male or female thread sizes.	✓		✓	✓	Low	Med	Fine		M/F						✓		✓		32	FS Series	
	Misting Nozzles HV/AF/AMF		Very low flow nozzles producing a mist of very small spray droplets. Options that are designed for higher pressure (HV) and medium pressure (AF and AMF) spraying		✓	✓	✓	Low	Very Low	All Mist		M	✓					✓				33	Misting Nozzles HV/AF/AMF	
ROTATING STREAM	Sudden Impact		A single solid stream slowly traces a rotating pattern for ultra high pressure concentrated cleaning action. Highly durable tungsten carbide flow patternator and corrosion resistant 304 Stainless steel or brass housing.	✓				High	High	Stream		F						✓	✓			34	Sudden Impact	
FOGGING	Vapro Series		Fine fog achieved by mixing compressed air and fluid for the lowest fluid usage and minimal wetting. Available with shut-off and clean out options in a very wide range of flows and spray distribution patterns.			✓	✓	Low	Very Low	Very Fine		F								✓		36	Vapro Series	

\* See page 10. Droplet size varies depending on nozzle size and pressure.