

VENTIS-AJ 4 kW

Nozzles

Material	Cut Type	Thickness (mm)	Nozzle Size	Nozzle Code
Mild Steel (SPC, SPH & SS400)	Air	0.8 - 1.2	S2.0	Nozzle 80CF
		1.5	D2.5	Nozzle 73CF
	Nitrogen	0.8 - 2	S2.0	Nozzle 80CF
		2.5 - 5	D2.5	Nozzle 73CF
		6	D2.5	Nozzle 73CF
		8	D2.5	Nozzle 73CF
	ECO	1 - 4	S1.0 FE	Nozzle 105F
		5 - 6	S1.2 FE	Nozzle 106F
		8 - 12	D1.2 FE	Nozzle 113F
	WACS	15 - 20	D1.4 FE	Nozzle 39F
		15 - 25	D2.5 W	Nozzle 60CF

Material	Cut Type	Thickness (mm)	Nozzle Size	Nozzle Code
Stainless Steel (SUS)	Air	0.8 - 1.5	S2.0	Nozzle 80CF
		2.0 - 3	D4.0 C	Nozzle 84CF
	Nitrogen	0.8 - 2	D2.0 F	Nozzle 100F
		2.5	D2.5	Nozzle 73CF
	Nitrogen Productivity Mode	3	D2.0 F	Nozzle 100F
		4 - 8	D2.5	Nozzle 73CF
		10	D4.0 C	Nozzle 84CF
		12 - 20	D7.0 C	Nozzle 88CF
	Nitrogen Quality Mode	3	D2.5	Nozzle 73CF
		4 - 12	D4.0 C	Nozzle 84CF
		15	D7.0 C	Nozzle 88CF

Material	Cut Type	Thickness (mm)	Nozzle Size	Nozzle Code
Aluminium (A5052 & A1050)	Air	0.8 - 2.0	S2.0	Nozzle 80CF
		2.5 - 3	D4.0 AL	Nozzle 76CF
	Nitrogen	0.8 - 2	D2.0 F	Nozzle 100F
		2.5	D4.0 AL	Nozzle 76CF
		3 - 5	S1.5	Nozzle 79C
		6 - 10	D2.5	Nozzle 73CF
		12 - 15	D4.0 AL	Nozzle 76CF
Galvanised (SECC)	Air	0.8 - 1.2	S2.0	Nozzle 80CF
		1.5	D2.5	Nozzle 73CF
	Nitrogen	0.8 - 1.5	D2.0 F	Nozzle 100F
		2 - 2.5	D2.5	Nozzle 73CF
		3	D2.0 F	Nozzle 100F

Material	Cut Type	Thickness (mm)	Nozzle Size	Nozzle Code
Brass	Nitrogen	1 - 3	D2.0 F	Nozzle 100F
		4 - 10	D4.0 AL	Nozzle 76CF
Titanium	Nitrogen	1 - 3	S2.0	Nozzle 80CF
		4 - 10	D4.0 AL	Nozzle 76CF
Copper	Oxygen	1 - 2	D2.0 F	Nozzle 100F
		3	D2.5	Nozzle 73CF
		4 - 5	D4.0 AL	Nozzle 76CF
		6 - 8	D7.0 AL	Nozzle 93F

Recommended Stock

Recommended Stock		Nozzle Code	Nozzle Description
QTY	Bulk/ pack		
		Nozzle 39F B5	AMADA® DOUBLE NOZZLE D1.4 FE FIBER CP WITH COLLAR
		Nozzle 60CF B10	AMADA® DOUBLE NOZZLE Ø D2.5W CP WACS
		Nozzle 73CF B10	AMADA® DOUBLE NOZZLE Ø D2.5 CP ECO CUT
		Nozzle 76CF B10	AMADA® DOUBLE NOZZLE Ø D4.0 AL CP
		Nozzle 79C B10	AMADA® NOZZLE Ø S1.5 CP ECO CUT
		Nozzle 80CF B10	AMADA® NOZZLE Ø S2.0 CP ECO CUT**
		Nozzle 84CF B10	AMADA® DOUBLE NOZZLE Ø D4.0CC SPECIAL CP FOR CLEAN CUT
		Nozzle 88CF B10	AMADA® DOUBLE NOZZLE Ø D7.0CC SPECIAL CP FOR CLEAN CUT
		Nozzle 93F B10	AMADA® DOUBLE NOZZLE Ø 7.0 AL CC CP
		Nozzle 100F B10	AMADA® DOUBLE NOZZLE Ø D2.0F CP
		Nozzle 105F B10	AMADA® NOZZLE Ø S1.0 FE FIBER CP WITH COLLAR*
		Nozzle 106F B10	AMADA® NOZZLE Ø S1.2 FE FIBER CP WITH COLLAR
		Nozzle 113F B5	AMADA® DOUBLE NOZZLE D1.2 FE FIBER CP WITH COLLAR*
Recommended Stock		Optics Code	Optics Description
		Optic164	2" diameter lens
		Optic173	10 pieces of protection glass
Recommended Stock		Laser Head Code	Laser Head Description
QTY	Bulk/ pack		
		NOZZACC 21CF B5	AMADA® NOZZLE ADAPTOR WITH HOLES and INNER
		NOZZACC 27C B10	Shield Ring
		74780306	Coupler Sensor Head
Recommended Stock		Code	Maintenance
		717710073	WACS Oil
		71567892	Shot Oil

* Collar supplied

** Not for use with reflective material

Note: Units codes ending B5 or B10 denote bulk packs of qty 5 or qty 10.



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