

Product selection in various machining processes

	Gray cast iron				Aluminium				Steel				Magnesium			
	DRY	MQL ¹	EM ¹	Oil	DRY	MQL ¹	EM ¹	Oil	DRY	MQL ¹	EM ¹	Oil	DRY	MQL ¹	EM ¹	Oil
Pressure relief flap 1000 cm ² /m ³ volume space		?		X		?		X		?		X	-	?	X	X
Pipeclean®			X	X			X	X			X	X			X	X
Pipeclean- EX® at a central extraction system		?		X		?		X		?		X		?	X	X
Shut-off damper® only in conjunction with Pipeclean EX		?		X		?		X		?		X		?	X	X
Fluidbagck®			X	X			X	X			X	X			X	X
Thermosensor/RESIKO® only in conjunction with Pressure relief flap and Pipeclean- EX®		?		X		?		X		?		X		?	X	X
Spänetor® (Metal sludge, metal dust, chips < 2 cm)	X	X	X	X	X	X	X	X	X	X	X	X	-	?	X	X
FASS-3® AIR (chips > 2 cm)	X	X			X	X			X	X						
FASS-3® FLUID (chips > 2 cm)			X	X			X	X	X		X	X			X	X
Airstep® (Ventilation system for "dead spot" detection in the working area)	X	X	X	X	X	X	X	X	X	X	X	X	-	?	X	X
LUPO® (at a central extraction system)	X	X	X	X	X	X	X	X	X	X	X	X	-	?	X	X
Fire extinguishing system (please refer Interfaces Matrix)		?		X		?		X		?		X	-	?	X	X

¹ EM = Emulsion; MQL = Minimum Quantity Lubrication

Short description of each product:

Pressure relief flap	to reduce of the pressure in the working area when an oil mist deflagration
Pipeclean®	prevents the transfer of CL (direct return to the machine)
Pipeclean- EX®	prevents the transfer of CL (direct return to the machine) and transmitted light from explosions in the exhaust system (in connection with Shut-off damper® and possibly Thermo sensor)
Shut-off damper®	prevents the extraction of extinguishing agents and in conjunction with Pipeclean- EX® transmitted light from explosions in the exhaust system
Fluidbagck®	Automatic siphon for the repatriation of CL into the machine
Thermo sensor	to control the Shut-off damper® if there is no fire extinguisher
Spänetor®	suction element for retention of metal sludge, metal dust and chips < 2 cm
FASS-3® AIR	Suction element to the retention of chips > 2 cm with air cleaning
FASS-3® FLUID	Suction element to the retention of chips > 2 cm with coolant flush
Airstep®	Ventilation system for the detection of "dead spots" in the working area
LUPO®	in different versions to monitor/display and control of the air power
Fire extinguishing system	with sensors for the detection of fires and subsequent deletion of the fire