



SPECIALIST INFORMATION HIGH PRESSURE

MACHINE CONTAMINATION SYMBOLS

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- // Requirement and configuration of a high pressure unit varies greatly by the degree of machine contamination
- // Developed symbols should allow to determine the correct high-pressure unit with regard to the degree of machine contamination more or less at a glance
- // Different high pressure units can be the right choice for differing requirements



// Low degree of machine contamination (e. g. free cutting steel, rough chips, just few fine chips)







// Medium degree of machine contamination (e. g. free cutting steel, stainless steel, mixed fine / rough chip ratio)



// High degree of machine contamination (e. g. aluminum, brass, cast, titanium, mainly fine chips by finishing and milling)

DEGREE OF MACHINE CONTAMINATION

Degree of machine contamination (in relation to fine / rough chip)	High pressure filter concept (CL und CS)	Chip conveyor concept (combistream)	Process flow (empirical values)	Müller symbols
20% fine chip 80% rough chip	Exchangeable filter 25, 40 or 60 µm	BK10	<ul style="list-style-type: none"> Filter cleaning (change) up to once a month Cleaning of machine tank up to once a quarter 	
30% fine chip 70% rough chip	Exchangeable filter as twin filter 25, 40 or 60 µm	BK10	<ul style="list-style-type: none"> Filter cleans automatically Floor cleaning of machine tank (manual) cleaning max. twice a year 	
60% fine chip / crumble chip 40% rough chip (more twirly, wooly chips, fine chips aluminum)	Automatic filter 30, 40 µm	BK30	<ul style="list-style-type: none"> Filter cleans itself automatically Upper tank with chip cascade for easy cleaning Cleaning of the machine tank three times a year 	
70% fine chip 30% twirly chip	Automatic filter 30, 40 µm	BK11	<ul style="list-style-type: none"> Filter cleans automatically Cleaning of machine tank up to once a quarter 	
100% fine chip 0% rough chip (fine chip brass, extremely high milling rate)	Automatic filter 30, 40 µm	BK31 (slotted screen 500 bzw. 300 µm)	<ul style="list-style-type: none"> Filter cleans automatically Floor cleaning of machine tank (manual) cleaning max. twice a year 	