




Conversion and replacement overview for UNICOAT and SOUCOAT Powder Systems

June 2023

System Module	Feature	conversion UNICOAT to		conversion SOUCOAT P-60 or P-120		new SOUCOAT	
		SOUCOAT P-60S	SOUCOAT P-120S	to P-60S	to P-120S	P-60S	P-120S
							
General	Stand-alone system (UPC) (display directly mounted on CPF) integrated control (U) (in welding machine)	(✓) ¹	(✓) ¹	(✓) ¹	(✓) ¹	(✓) ¹	(✓) ¹
		(✓) ¹	(✓) ¹	(✓) ¹	(✓) ¹	(✓) ¹	(✓) ¹
FDC	FDC-100	remains	remains	-	-	-	-
Feed & Dose Compact unit	FDC-1000	✗	✗	remains	remains	new	new
	FDC-100 electro cabinet	new	new	-	-	-	-
	FDC-100 mech. upgrade - new level indicator - optimized external suction - replace critical third parts	✗	✓	-	-	-	-
	FDC-1000 electro cabinet (only if control is Siemens S7-300)	-	-	(✓)	(✓)	-	-
	FDC-1000 upgrade - new level indicator (FDC built from 2005-2016) - optimized external suction (FDC built from 2005-2013) - automatic filter cleaning (FDC built from 2005-2018) - hose feed from top (FDC built from 2005-2009)	-	-	✗	✓	-	-
	filter cleaning during operation uninterrupted operation	✗	✗	(✓) ²	✓	✓	✓
CPF	CPF-400 with new compact housing	✓	✓	✓	✓	✓	✓
Compact Powder Feeder	Proportional valves for all airflow settings	✓	✓	✓	✓	✓	✓
	HVS-400 - newest high voltage system with self-diagnosis	✓	✓	✓	✓	✓	✓
	CPF on roller	✓	✓	optional for integrated control; included in stand-alone version only with integrated control and welder series SOUCAN 600S; 700; 800 or 1000		optional for integrated control; included in stand-alone version only with integrated control and welder series SOUCAN 600 S; 700; 800 or 1000	
	CPF fixed directly on welder	✗	✗				
	welding speed > 70 m/min	✗	✓	✗	✓	✗	✓
	external suction regulated with volume amplifier	✓	✓	✓	✓	✓	✓
	wear detection for nozzle and injector sleeve	✗	✓	✗	✓	✗	✓
	powder tubes monitoring for feed air and internal suction	✓	✓	✓	✓	✓	✓
	powder flow monitoring indic. for feeded powder quantity	✓	✓	✓	✓	✓	✓
	fluidization monitoring recognizes changed fluidization behavior	✗	✓	✗	✓	✗	✓
	auto fluidization setting	✓	✓	✓	✓	✓	✓
PSA	Cumulus spray head with adjustable retaring lips	replacement with add. cost for new spray arm if HVS is EA60/62, HVS-94 or tribo		remains		new	
Others	SAA Spray Arm Adapter	remains		remains		improved wear resistance (to be ordered additionally)	
	PDF set Powder tubes set for welding arm	remains		remains		improved wear resistance (to be ordered additionally)	
	Welding arm cable (5 pole)	new		new		new	
	Industry 4.0 readiness for networking and data transfer	optional		optional		optional	
	SPM-2 Soudronic Powder Monitor 2	optional (advanced high-voltage diagnosis not available)		optional (advanced high-voltage diagnosis not available)		optional (advanced high-voltage diagnosis not available)	
	FPF (Bulk Powder Feeding System)	✗		optional		optional	
	CE-certificate	✗		optional		✓	

Remarks 1) choose integrated or UPC
2) only if already installed