



compact

HYDRAULIC MACHINES WITH
ALL THE BENEFITS
OF ELECTRICAL MACHINES

HOT CHAMBER

		CC-7,5	CC-25	CC-50	CC-80	CC-125	CC-160	CC-220
Locking force	KN	90	300	600	960	1500	1920	2640
Closing stroke	mm	110	180	260	280	330	360	440
Ejector force	KN	10	36	62,8	70	100	100	120
Ejector stroke	mm	30	50	70	70	95	95	100
Die height (min-max)	mm	156-185	120-300	100-325	160-400	170-500	210-550	240-600
Platen size	mm	325x245	390x390	500x500	570x560	643/652	750x750	780x780
Space between tie bars	mm	240x160	250x250	320x320	360x360	411x411	480x480	510x510
Tie bar diameter	mm	28	45	60	70	75	85	90
Shot position (below centre line)	mm	(-15)-0-40	0-40	0-50	0-60	0-80	0-80	0-100
Casting force max.	KN	14	42	60	70	110	102	133
Injection plunger diameter	mm	30	36-40-45	45-50-55	50-55-60	60-70-80	60-70-80	70-80-90
Casting stroke	mm	60	85	140	140	185	185	185
Casting area	cm ²	37	76-94-119	159-196-238	252-306-362	346-471-615	498-679-886	652-852-1076
Casting volume (DIN 24480)	cm ³	30	39-56-79	91-140-188	138-188-242	299-480-763	299-480-763	488-686-919
Specific injection pressure(min-max)(Bar)	Bar	200	416-337-266	360-291-241	356-294-248	361-265-203	389-286-218	346-264-209
Plunger stroke (mm)	mm	110	110	150	150	200	200	240
Dry cycle speed per hour (Din 24480)		3600	2000	1200	1100	800	720	720
Driving motor	KW	5,5	11	11,5	11,5	15	19	19
Town gas	m ³ /h	12	12	18	24	30	34	35
Propane	Kg/h	4,5	4,5	7	9	11	11	12
Natural gas	m ³ /h	6,4	6,4	9,5	12	17	17	18
Fuel oil	Kg/h	4,4	4	7	9	11	11	12
Electric	KW	14	16	18	18	26	26	34
Crucible capacity	Kg	160	240	420	420	550	550	1300
Weight of the machine	Kg	1300	3000	4600	5400	7000	8500	9200
Overall dimensions (length x width)	mm	3000x1200	3928x1300	4540x2350	4540x2350	5000x2185	5229x2223	5900x2300
Overall dimensions (height)	mm	2001	2001	2200	2200	2341	2501	2751

COLD CHAMBER

		CFA-160	CFA-220	CFA-330	CFA-440
Locking force	KN	1920	2640	3960	5160
Closing stroke	mm	360	440	510	650
Ejector force	kN	110	120	181	277
Ejector stroke	mm	95	100	120	150
Die height (min-max)	mm	210-550	240-600	300-700	300-800
Platen size	mm	750x750	780x780	910x910	1065x1065
Shot position (below centre line)	mm	0-80-160	0-90-180	0-80-160	0-100-200
Casting force max.	KN	Mín.-Máx. 85-220	Mín.-Máx. 121-250	Mín.-Máx. 155-351	Máx. 460
Casting stroke	mm	320	360	445	480
Casting area	cm ²	102-598	113-714	170-1089	1100
Casting volume (DIN 24480)	cm ³	268-418-603	301-471-678-923	655-943-1284-1677	
Specific injection pressure(min-max)	Bar	301-1751	315-1990	308-1782	725-2349
Dry cycle speed per hour (Din 24480)		750	750	500	



ECO-DESIGN

- › Integration of the electrical-electronic system within an Intelligent Central Control.
- › Enables environmental suction systems to be integrated with ease.
- › **CONVERTER** module. The machine's work module is fully enclosed becoming, in maintenance mode, a machine with immediate access to 95% of its construction volume.

DATAGRAPH



- › There is a **Central Communication Unit**, both to the machine and externally.
- › **Parametrization of the Injection Process** Module through the automatic generation of a theoretical curve pattern.
- › **Management System** based on the Office system: Drawing up all types of reports on quality, production, machine loads, correlation of variables, development of temperatures, etc...
- › **Tele-maintenance** module based on INTER-EXTER:
 - › Enables connection to our SATTOOL module.
 - › Complete **Self-help system** aiding the user to identify the alarms in the "Trouble-shooting" manual.
- › System that can be easily updated.

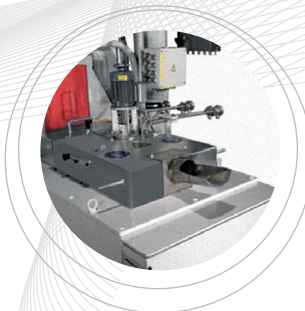
SHOT CONTROL

The combination of the magnetic positioning system for the injection together with SHOT CONTROL, allows the user of this machine to reach HIGH INJECTION SPEEDS WITH NO RISK.

- › DANFOS flow regulation valve.
- › Centralised automatic lubrication.
- › Piston extraction program.
- › "NON-DRIP" draining system.
- › Waste collection tray.
- › Flow meter and thermometer.

OTHER INFORMATION

FURNACES



Both the electrical and combustion furnaces are adapted to the needs of each different machine model, through a technical analysis of the required melting and the crucible capacities.

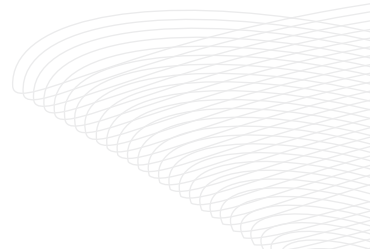
Our single and double power control systems, with material transport and level control **ensure temperatures and LEVEL stability throughout the process.**



GESTINTRA
URPEGT

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▼ TECHNICAL SERVICE

Consulting and a Full Technical Service for all URPE machines: remote service, on-site assistance, direct assistance and preventive maintenance plans.

