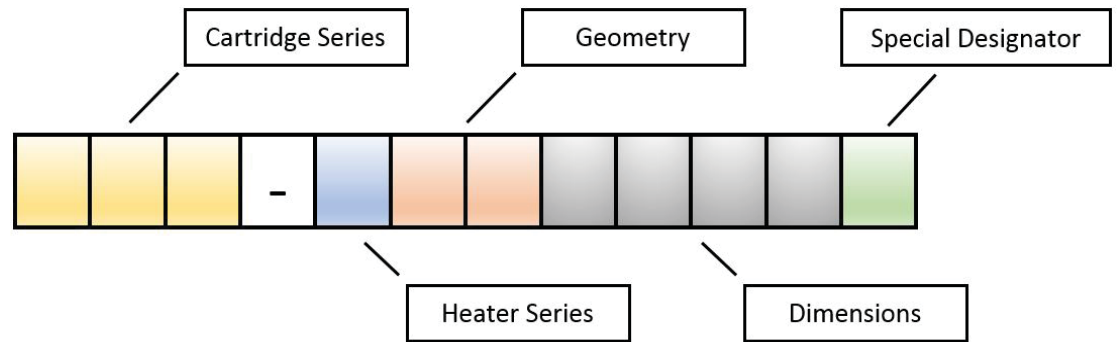


## CV Cartridge Smart Numbering Scheme

With the introduction of Connection Validation, Metcal is migrating to a new smart numbering convention that is designed to assist the operator or the process engineer in the selection of the correct cartridge for the application.



### Cartridge & Heater Series Legend

#### Cartridge Series

- CVC - CV enabled cartridges
- SMC - Surface Mount cartridges
- UFC - Ultrafine soldering cartridges
- UFT - Ultrafine Tweezer cartridges
- PTC - Precision Tweezer cartridges
- DSC - Desoldering cartridges
- HCV - High Thermal Demand cartridges

Heater Series - represented by the "x" in the part

- 5 - 500 series heaters
- 6 - 600 series heaters
- 7 - 700 series heaters
- 8 - 800 series heaters
- 9 - 900 series heaters

#### Dimensions

Four digit numerical value, which represents the key dimension of the geometry.

#### Special Designator

Provides an additional level of identification to the cartridge to better identify any unique attributes

A	Access	Additional length in one axis, >10mm
D	Deep Taper	
H	High Mass	Similar in design to another tip geometry with increased thermal mass
J	Reach with Taper	Additional length >10mm with a change in axis, Taper
L	Long Life	Increased tip plating
N	Non-Wetting	1 or more surfaces that are non-wetting
P	Power	Reduced length in one-axis, <6.5mm
Q	Square	Square end feature for Flat Blade geometry
R	Reach	Additional length >10mm with a change in axis
S	Standard	
T	Taper	Taper with Step
U	Round	Round end feature for Flat Blade geometry
V	Concave	
W	Enlarged Wetting Area	
X	Power & Long Life	Reduced length in one-axis, <6.5mm, increased tip plating

#### Geometry

BL	Blade	KN	Knife
BV	Bevel	MH	Mini-Hoof
CH	Chisel	QD	Quad
CN	Conical	SC	Slotted Cylindrical
CP	Hollow Cup	SH	Shield
TN	Tunnel	SL	Slot
HF	Hoof	WV	Wave
HK	Hook	FB	Flat Blade
HP	Hot Plate	VG	V-Groove Chisel
HS	Heat Stake	PC	Pin Connector
LG	Long Groove	SK	Socket