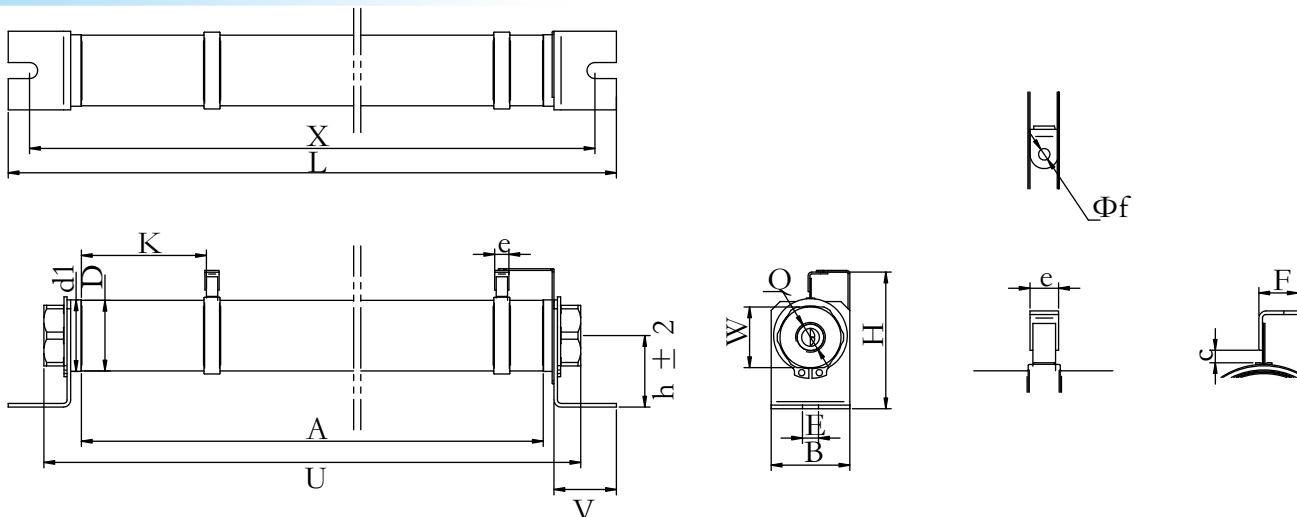




Features

- I .Direct cooling without heat sink
- II .Better power / volume ratio
- III .Non-inductive optional
- IV .1 WCW = 6 wirewound resistors = 5 thick-film resistors
- V .Up to 6 resistive functions on 1 WCW tube
- VI .1 single supply for several functions (snubber and divider)

Dimensions



Type	Dimensions(mm)																				Water pipe diameter
	A±1	B±0.5	c	C	D±1	d1	E	e	Φf	F	H	h±2	K	L±1	Φ	Q(2)	U	V	W	X±2	
WCW30250	250	32	3.5	14.5	35	32	7	8	3.2	11	54	25	(1)	304	30	G3/8	288	20	24	286	Φ8
WCW38250	250	44	3.5	14.5	43	40	9	8	3.2	11	80	40	(1)	335	38	G3/8	292	35	34	308	Φ10
WCW38300	300	44	3.5	14.5	43	40	9	8	3.2	11	80	40	(1)	385	38	G3/8	342	35	34	358	Φ10

Notes

- (1) Creeping / clearance on request
- (2) Other hydraulic connections on request

Applications And Ratings

Type	Power (w)	Resistance Range(Ω)	Tolerance	T.C.R	Max working Voltage(V)	Operating Temperature Range
WCW30250	1500	4.7~56K	± 5%	± 100 ppm/°C	Up to 3500 V(6600 V on specific request)	- 55°C to +120°C
WCW38250	2000					
WCW38300	2500					

Ordering Information

Example:

WCW	25300	80R00	K
(1)	(2)	(3)	(4)
Series Name	Part No	Resistance Value	Resistance Tolerance

- (1)Style:WCW SERIES
- (2)Part No.: 30250、 38250、 38300
- (3)Resistance Value:4R75=4.7Ω、 80R00=80R、 100R00=100R、
- (4)Tolerance: J= ± 5%、 K= ± 10%、

Derating Curve

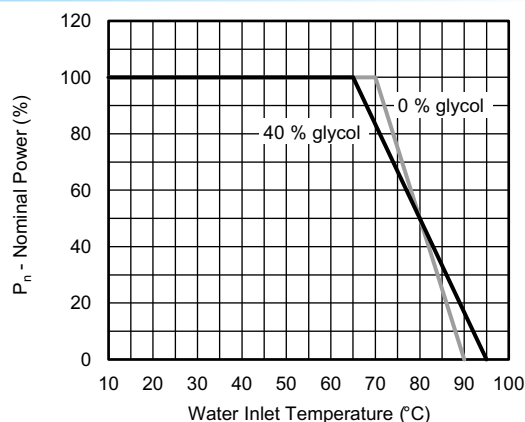


Fig. 1 - Nominal Power Dissipated According to Water Inlet Temperature $P_n = f(\text{Water Inlet Temperature})$
Flow Rate = 5 l/min

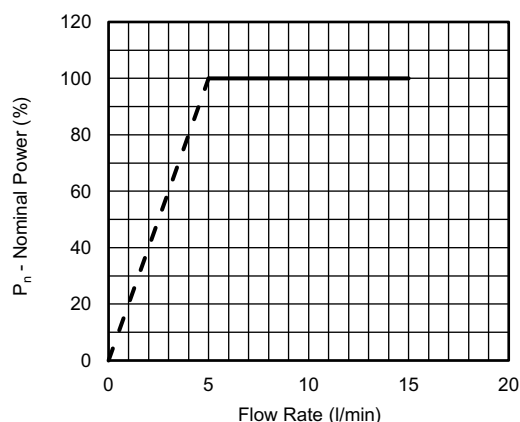


Fig. 2 - Power Dissipated According to the Flow Rate $P_n = f(\text{Flow Rate})$
Temperature = 60 ° C

Performance

Core	Ceramic
Winding	NiCr alloy fully insulated from water
Hydraulic plugs	Stainless steel (corrosion free)
Coating	Vitreous enamel or silicone coating (1)
Ohmic values	E12 (4.7to 56 k)
Inductance	Non-inductive type on request
Cooling	Industrial or deionized water; coolant mixtures up to 60 % glycol
Operating pressure	1 bar to 6 bars
Test pressure	10 bars
Flow	5 l/min to 15 l/min
CTI Index	> 600
Creeping distance	On request
Clearance distance	On request
Electrical connections	M3 screw and nut (other on request)
Mounting	Vertically (recommended)
Overload	2 x Pn 10 s (60 ° C at 5 l/min)
Endurance	1000 cycles Pn 30 s/30 s; variation < 5 %
Pressure drop	0.8 bar for WCW 30 mm x 250 mm; 0.25 bar for WCW 38 mm x 250 mm and WCW 38 mm x 300 mm(flow rate 10 l/min)