



**ZEONICS SYSTECH**  
DEFENCE & AEROSPACE ENGINEERS (P) LTD.



# Coaxial Special Pulse Source



There is a continuous requirement of coaxially housed different pulse sources in cylindrical geometry by which the pulse source will become very handy, can be deployed & can also be fixed into several different types of metal containers. We at Zeonics specialize in manufacturing such sources, putting them to in metal containers with return earth and giving it as a total deliverable component.

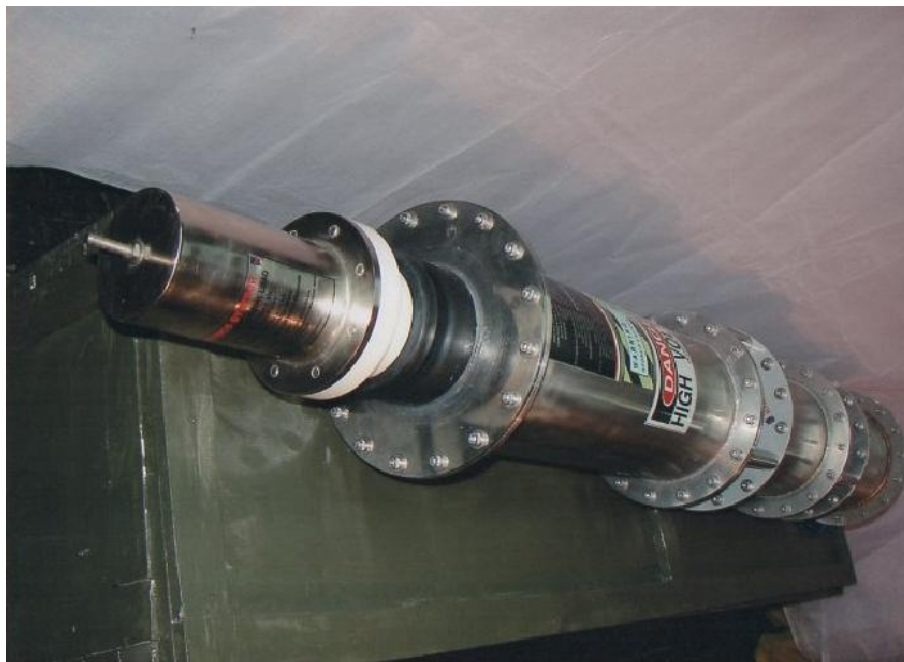
**Proudly Made in INDIA**





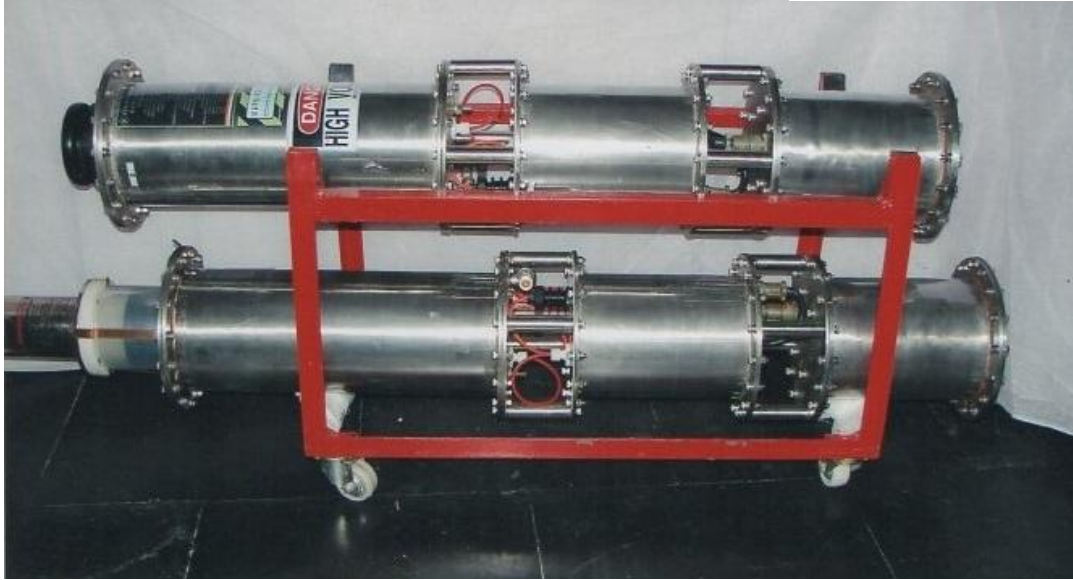
### High Voltage Capacitor Assembly

1. Working Voltage : 300 kV Output
2. Input : 28 volts D.C. @10A
3. Output : 300 kV output
4. PRR : Max 5 PPS
5. Dimension :  $\varnothing$  - 450mm L- 650mm
6. Container : S.S.
7. Type No : Z/25/69/192



### High Voltage 200kV 50J Pulse Gun

1. Input : Battery Operated
2. Output : 200kV Max
3. Energy : 50 Joules /Pulse
4. PRR : 15PP Minute
5. Zo : 30 Ohms
6. Length : 1.7 Meter
7. Diameter : 350mm
8. Metal : SS
9. Type No : ZHS/AMJI/ 001



### Coaxial High Voltage Pulsers

- |              |                                  |
|--------------|----------------------------------|
| 1. Output    | : 100 kV to 1MV Range            |
| 2. Rise Time | : 2 nano second Rise Time Pulser |
| 3. Type No   | : AMJI/ZHS/006                   |



### Coaxially Housed Marx Generator

- |              |                               |
|--------------|-------------------------------|
| 1. Voltage   | : 300kV, 500kV, & 600kV       |
| 2. Rise Time | : $\approx < 50\text{nSec}$   |
| 3. Energy    | : 20 Joules or 100Joules/Shot |
| 4. Type No   | : Z/25/66 (932)               |



### Flash X- Ray Source

- |                   |                                               |
|-------------------|-----------------------------------------------|
| 1. Output Voltage | : 400kV                                       |
| 2. Rise Time      | : $\leq 50$ ns                                |
| 3. Energy         | : 20 Joules /40 Joules/ 60 Joules /150 Joules |
| 4. Diameter       | : 130mm/180mm/300mm                           |
| 5. PRR            | : 10PPM                                       |
| 6. Impedance      | : $\approx 30$ Ohms                           |
| 7. Type No        | : Z/30/132                                    |

### Applications

These can be used for different applications, classified yet very simple application like warheads different type of pencil sources of high voltage, high frequency high repetition rate, fast rise time pulses where the pulses rise in the region of nano seconds, gas filled applications also are there liquid as well as gas can be used.

These sources are totally made in India and can be designed using the different applications of the customers and their requirements. One can design the source and give it to us after software simulation done, also we can work and we make after that also we make the sources and give it. The greatest advantage is that these are made well in conjunction of the user and hence the user can be the designer for this, and we can fabricate as per their designs.

### Installation

Installation can be of specific nature and can be of general nature depending upon what is required by the user. Typically these kinds of installations are such that they require NO Installation but use for different applications as mobile source.

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