



Monoruptr® Vacuum Interrupters



Catalog VM06912-3

Standard Equipment

SEECO VM multi bottle interrupters utilize a column of vacuum bottles in series with voltage grading provided by paired sets of capacitors and resistors. The column is housed in a single fiberglass tube and surrounded with a silicon oil, which serves as a dielectric medium. The fiberglass tube includes externally accessible 'studs', which provide a convenient means for hi-pot or continuity testing of the individual vacuum bottles.

Interrupter units are supplied complete with mounting brackets, hardware and blade mounted pick-up rods.

Installation

The interrupter units are shipped fully assembled and pre-adjusted for proper activation or "trip"; no field adjustment of the interrupter unit is required, nor should be attempted. Field adjustment is limited to the blade mounted pick-up rods and can be easily accomplished in less than an hour.

A complete set of installation instructions are available from our website at www.seecoswitch.com or you can contact us at the number below for assistance.

Type: VM

Number of Vacuum Bottles: 2-8

Description

A multi bottle vacuum interruption device for use with vertical break switches of any brand or manufacture.

Applications

Common applications for multi bottle interrupters include:

- Load dropping
- Line dropping
- Loop splitting (parallel break)

Monoruptr® vacuum interrupters are not designed or rated for fault duty. Please contact the factory for confirmation of the appropriate interrupter configuration for your specific application.

Features & Benefits

- Provides arc-less switching
- Full load interrupters provide convenience, flexibility and clarity in switching; reduces confusion about switching "rules" under various operating conditions
- Interrupter units are out of the main current path when not in operation and are not subject to fault currents
- Proven vacuum bottle technology with an established history of successful field service
- Safety - no SF6 that can produce chlorine gas under high currents
- Quick, simple field installation

Operation Sequence

The interrupters are only in the circuit for a few seconds during the opening operation of the air switch. The movement of the air switch blade "trips" the interrupter unit through a series of mechanical linkages and a high speed toggle mechanism which opens all vacuum bottle contacts simultaneously. The speed of contact opening is independent of the air switch blade speed. After contact opening, the trip arm of the interrupter disengages from the blade mounted pick-up rod and automatically returns to its original position, closing the vacuum bottle contacts. In switch closing, the interrupter is out of the circuit.

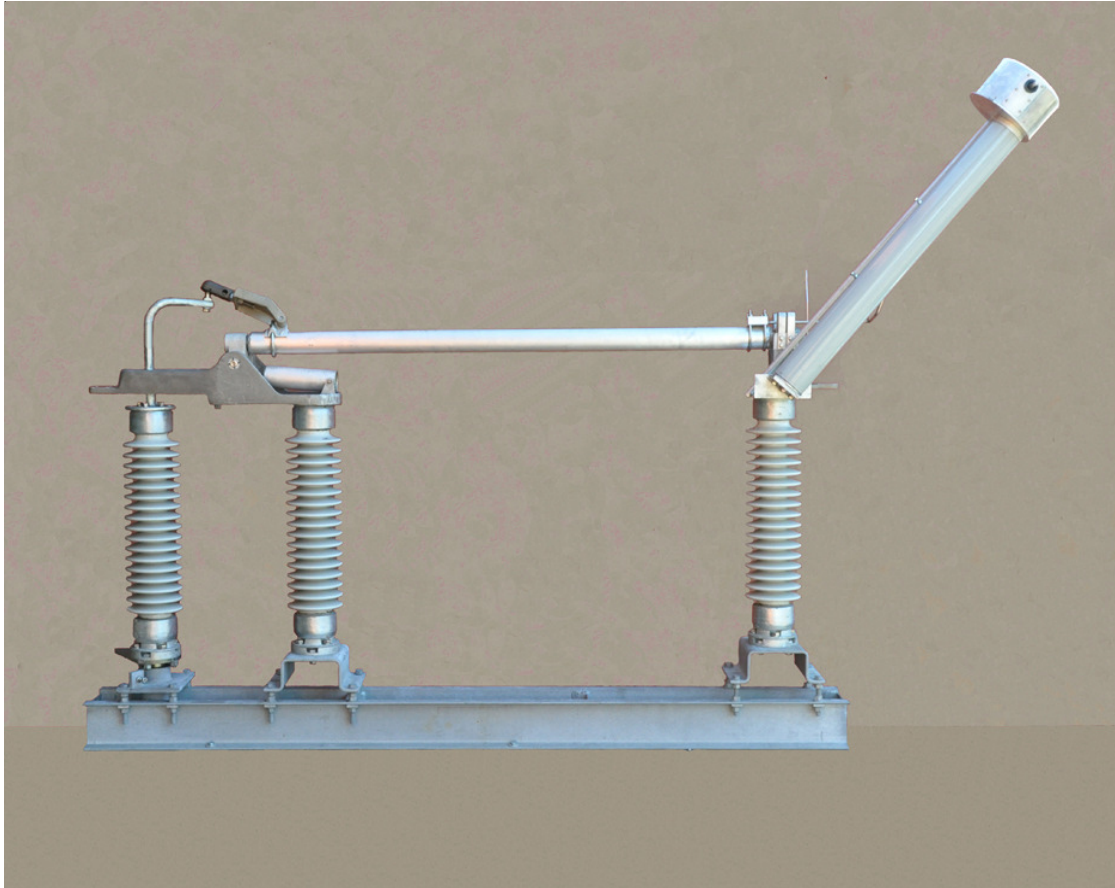
To Be Specified on Order

To obtain pricing information or to place an order, the following minimum information must be specified:

- Monoruptr® catalog number
- Brand and catalog number of the vertical break switch
- Voltage and current rating of the switch
- Direction of blade opening or rotation as viewed from the hinge end of the switch: CW, CCW
- Expected interruption recovery voltage
- Description of application or intended use



Catalog Numbers and Ratings - Type VM



Switch Voltage Rating	Switch Current Rating	Vacuum Bottles per Unit	Type VM		
			Catalog	Weight, Lbs	
				Install	Ship
46	600	2	VM04606-2	135	170
	1200		VM04612-2	135	170
	2000		VM04620-2	135	170
	3000		VM04630-2	135	170
69	600	3	VM06906-3	195	225
	1200		VM06912-3	195	225
	2000		VM06920-3	195	225
	3000		VM06930-3	195	225
115	600	4	VM11506-4	255	285
	1200		VM11512-4	255	285
	2000		VM11520-4	255	285
	3000		VM11530-4	255	285

Switch Voltage Rating	Switch Current Rating	Vacuum Bottles per Unit	Type VM		
			Catalog	Weight, Lbs	
				Install	Ship
138	600	5	VM13806-5	315	350
	1200		VM13812-5	315	350
	2000		VM13820-5	315	350
	3000		VM13830-5	315	350
161	600	6	VM16106-6	375	425
	1200		VM16112-6	375	425
	2000		VM16120-6	375	425
	3000		VM16130-6	375	425
230	600	8	VM23006-8	495	560
	1200		VM23012-8	495	560
	2000		VM23020-8	495	560
	3000		VM23030-8	495	560

Note: Installed weight is the weight of a three phase set. For the weight of a single interrupter unit and associated mounting hardware, divide by three.