



# Bullard

## 88VX Blasting Respirator Competitive Comparison

### Advantages and Benefits

Feature	Bullard 88VX	Clemco Apollo 60	Clemco Apollo 600	Nova 2000	Allegro Astro	Comments
Made in the USA	Yes	No	No	No	No	
ANSI Z89.1-03 Head Protection	Yes	Yes	Yes	No	No	Nova is marked ANSI Z89.1-1997
Ansi Z87 Face Protection	Yes	Yes	Yes	Yes	Yes	
NIOSH Approved Climate Cool Tubes	Yes	Yes	Yes	Yes	Yes	
Cool Tube Capability	30 degrees	25 degrees	25 degrees	25 degrees	No	
Cool Tube Construction	Metal	Metal	Metal	Plastic	N/A	
Maximum Length of Hose	300'	200'	200'	200'	300'	
NIOSH Approved with Low Pressure Hose (1 1/2" ID)	Yes	Yes	Yes	Yes	Yes	
1000 Assigned Protection Factor (APF)	Yes	Yes	Yes	Yes	No	
Replaceable Inner Shell	Yes	Yes	No	No	No	Nova has replaceable padded foam inner shell with no suspension. Clemco has permanent inner shell.
One Piece Filtration and CO Monitor Available	Yes	No	No	No	Yes	
NIOSH approved Cool Vest Available using Same Airline	Yes	No	No	No	No	
Adjustable Head Suspension	Yes	YES (no ratchet available)	Yes	No	Yes	Nova has padded helmet with no size adjustment. Clemco Apollo 60 is difficult to adjust due to its location under the brow pad.
Window Size (W x H)	3.75" x 12.5"	4.5" x 14"	5" x 14"	3.5" x 8"	4" x 6"	Bullard 88VX has 67% more viewing area in the lens than the Nova and 89% more than the Astro
Side mounted breathing tube connection helmet	Yes	No	No	No	No	
Replaceable breathing tube connection	Yes	No	Yes	Yes	No	
Seal type on cape to helmet	Continuous Steel Cable	Nylon cable with velcro enclosure and rubber strip	Band with ratchet style buckle	Snaps and rubber strip	Snaps and rubber strip	Clemco Apollo 600 cape latch is exposed making it prone to unlatch. Nova and Clemco are very difficult to remove and replace cape.
Number of Quick Disconnect Couplers Available	11	1	1	1	2	Bullard is NIOSH approved with 11 different fittings.
Knitted Neck Cuff	Yes	Yes	Yes	No	No	Drawstring can be uncomfortable and lead to improper donning and loss of protection.
Number of Cape Styles Available	6	1	1	2	3	Bullard is the only mfg to offer full parkas.
OSHA Approved for use With Lead	Yes-Bullard cited in OSHA Letter dated 08/30/1995 <a href="http://www.osha.gov/pls/ostaweb/owadisp.pls/show_document?p_show_document?p_table=INTERPRETATIONS&amp;p_id=21907">http://www.osha.gov/pls/ostaweb/owadisp.pls/show_document?p_show_document?p_table=INTERPRETATIONS&amp;p_id=21907</a>	Yes-Clemco cited in OSHA letter dated 03/31/1997 <a href="http://www.osha.gov/pls/ostaweb/owadisp.pls/show_document?p_show_document?p_table=INTERPRETATIONS&amp;p_id=22376">http://www.osha.gov/pls/ostaweb/owadisp.pls/show_document?p_show_document?p_table=INTERPRETATIONS&amp;p_id=22376</a>	Yes-Clemco cited in OSHA letter dated 03/31/1997 <a href="http://www.osha.gov/pls/ostaweb/owadisp.pls/show_document?p_show_document?p_table=INTERPRETATIONS&amp;p_id=22376">http://www.osha.gov/pls/ostaweb/owadisp.pls/show_document?p_show_document?p_table=INTERPRETATIONS&amp;p_id=22376</a>	No-Nova helmet labeled "Not for Use with Lead or Silica"	No	