

CLEARO2 



**HI-VAC UNITS**

# EXTRACTION

**NO FUMES, ONLY CLEAN AIR**





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UNITS**

## HIGH PERFORMANCE CENTRAL VACUUM SYSTEMS

### EXPERIENCE THE ULTIMATE IN WELD FUME EXTRACTION

Translas has a complete range of central high vacuum fume extraction systems ranging from 5HP to 75HP units which will handle 5 to 40+ technicians using welding guns at the same time.

### KEY BENEFITS:

- Captures dangerous welding fumes before they enter the welder's breathing zone.
- Ideal for MIG, TIG, arc, and robotic welding.
- No lost production time moving large fume extraction arms every time the welder changes position.
- Source capture welding gun at 100 CFM or welding attachments only require 80 CFM; eliminating the need for costly air makeup systems required with high volume systems.
- Several filter options are available, including combination cyclone separator and polyester cartridge filters with automatic pulse jet cleaning.



## CLEARO2 CW III INTEGRATED FUME EXTRACTION

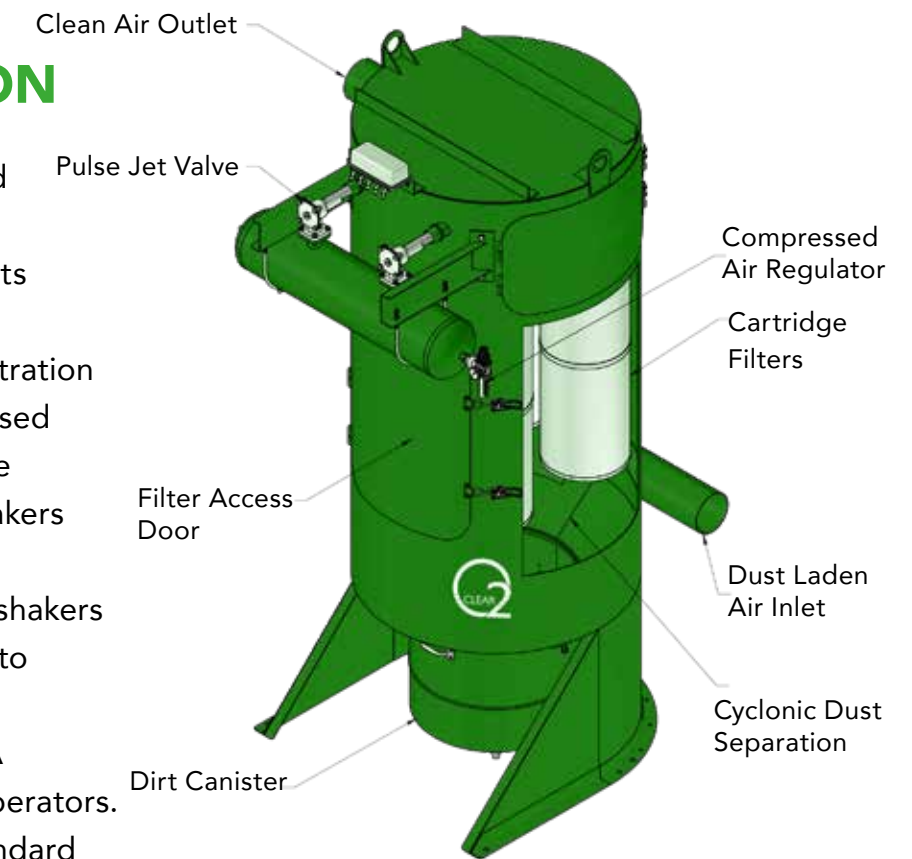
5 TO 40+ WELDERS



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## CLEARO2 CW III SUPERIOR FILTRATION

All of our systems use a separator designed to remove debris and particles from the airstream before they reach the exhaust, which is vital in protecting the pump from damage. It also prevents contaminants from being released back into the atmosphere. For removing welding fumes, we use a combination of cyclonic filtration and secondary polyester cartridge filters with automatic compressed air pulse jet cleaning, which permits continuous cleaning while the system is up and running. This is far superior to the automatic shakers often found on bag house separators which can only clean the filters when the system is shut down. This also applies to manual shakers found on many bag house separators, which require a technician to physically shake or operate a handle in order to clean the filters. Due to the production of hexavalent chromium fumes, the OSHA decreed the welding of stainless steel to be a health hazard to operators. It is now a requirement for fumes to be filtered, not only with standard nanofiber filters, but with HEPA filters as well.



**EXTRACTION**





# CLEARO2 CW III INTEGRATED FUME EXTRACTION

5 TO 40+ WELDERS



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## CLEARO2 CW III CENTRIFUGAL MULTI-STAGE PUMP SYSTEM

- Ideal for production shops with 5 to 40+ users welding at the same time.
- 10 to a twin 75HP centrifugal multi-stage pump units can be set at various vacuum levels from 5" HG (68" water column) for short pipe runs to 10" HG (135" water column) to offset friction losses on long pipe runs.
- Large aluminum impellers and fabricated housings result in a vacuum pump that is far more efficient than competitive products (which typically have smaller steel impellers and sections held together with tie-rods).
- Comes equipped with cartridge filters, automatic compressed air pulse jet cleaning, and primary cyclonic separation.
- Our industrial grade induction motors have a 20,000+ hours rating.



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## DROPS AND PIPE FITTINGS

Translas systems are designed for convenient use with vacuum drops (or work stations) and can be placed exactly where you need them for increased productivity. Work stations can also be equipped with microswitches so that the system turns on and off automatically. Metal tubing is superior to PVC or ABS piping as it has long radius bends and does not generate static electricity. All of our systems use graduated 14 to 16 gauge steel tubing secured with heat shrink sleeves or optional compression couplings. The system is also guaranteed to maintain airflow at approximately 90 cubic feet per minute at each vacuum inlet port.



Single Wall-Mounted  
or Hanging Drops



Double Wall-Mounted  
or Hanging Drops

## WORKS WITH WELDING GUNS, GRINDERS, & CLEANING ACCESSORIES





BY WELDERS. FOR WELDERS



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