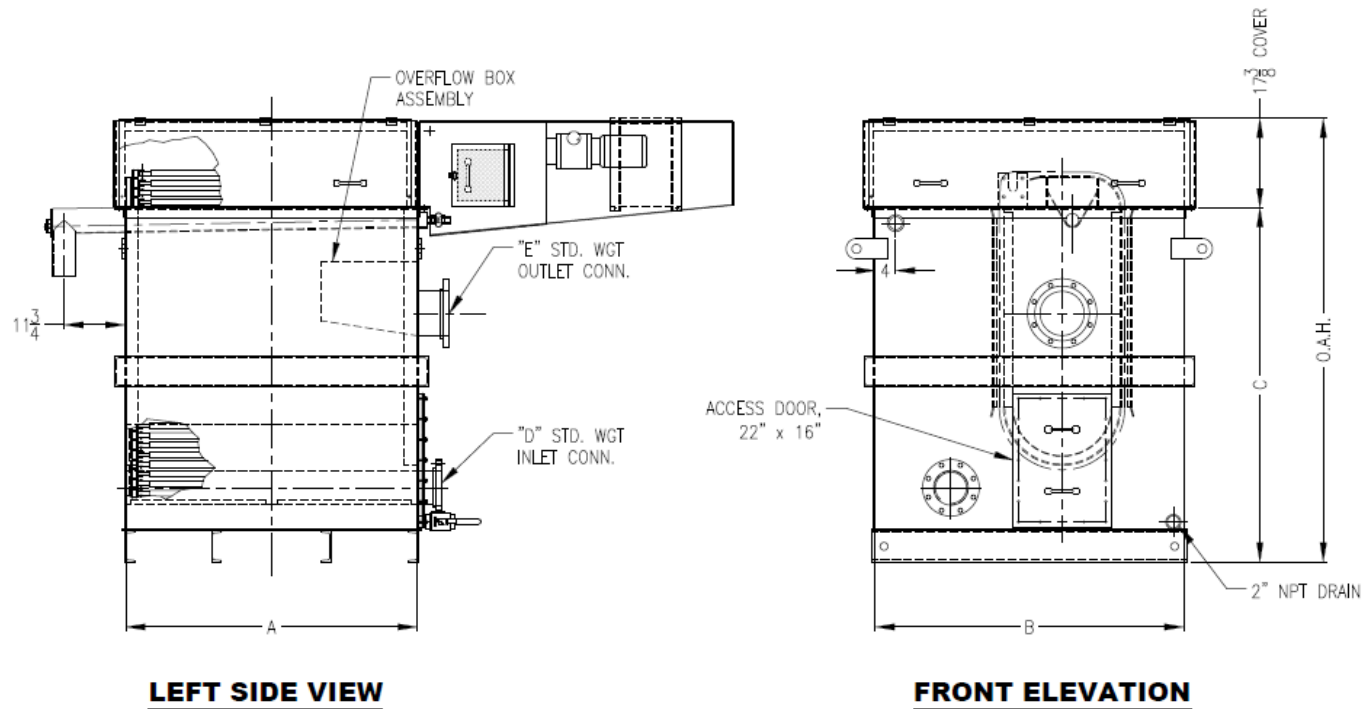


# EXACTRATION™

TARGETED FILTRATION • SEPARATION SYSTEMS

## HIGH STANDARD MAGNETIC SEPARATOR

by: EXACTRATION™



**HIGH STANDARD MAGNETIC SEPARATOR SPECIFICATIONS**

Model No.	Total No. Bars	Equipment Nom. Dimensions (inches)						Max Flowrate, GPM
		A	B	C	D	E	O.A.H.	
HSV-69	69	56.625	60.0	51.5	4	6	68 7/8	325
HSV-90	90	56.625	60.0	69.0	6	8	86 3/8	500
HSV-126	126	56.625	60.0	99.0	8	10	116 3/8	750
HSV-150	150	56.625	60.0	119.0	8	10	136 3/8	950
HSV-177	177	56.625	60.0	141.5	10	14	158 7/8	1150
HSV-201	201	56.625	60.0	161.5	10	14	178 7/8	1375
HSV-222	222	56.625	60.0	179.0	12	16	196 3/8	1500



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Click on our Social Media Apps for videos of our products.

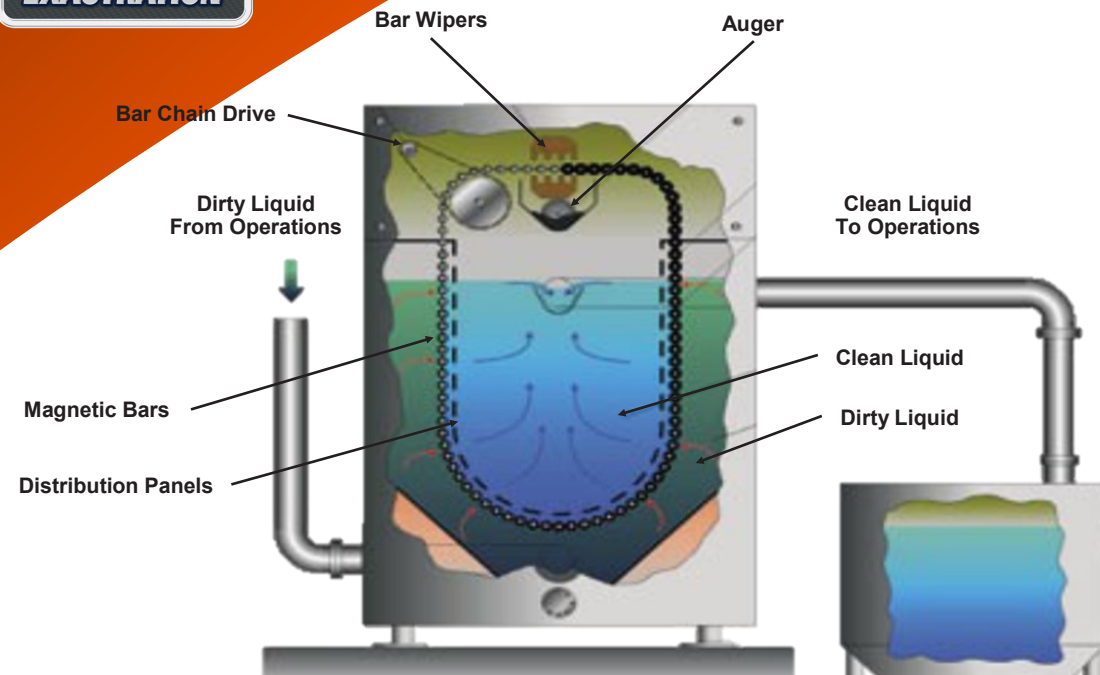




*Exactration's High Standard Series Magnetic Separator products are the base standard for separation and removal of ferrous metals from liquids.*

These units incorporate magnetic bar technology excellent for removal of magnetic and paramagnetic particles.

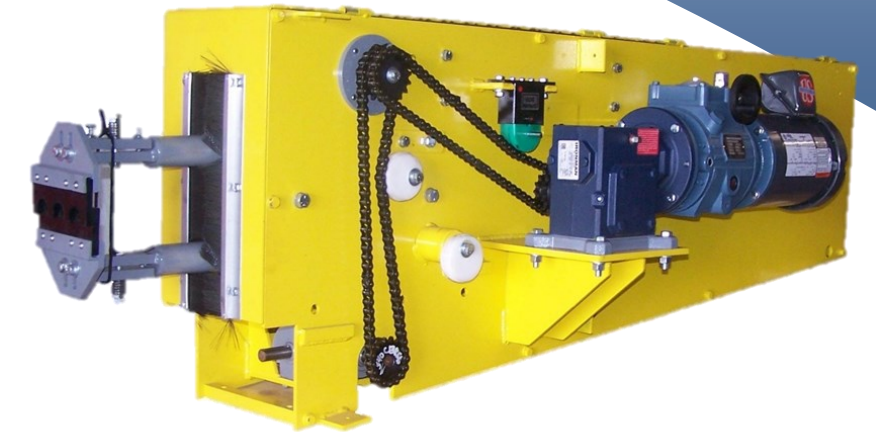
The High Standard utilizes fixed chain driven bars with a mechanical wiper mechanism that both advances the chain and cleans the bars with one common drive motor.



**HIGH STANDARD HOW IT WORKS!**

Dirty liquid enters the separator tank at the bottom through a distributor pipe and flows evenly between the magnetic bars. Perforated distribution panels located behind the magnetic bars insure that the liquid flows at a uniform velocity throughout the entire magnetic field thus improving the efficiency of separation. Fluid velocity is held below 2 in/sec (50 mm/sec) providing sufficient time for the ferrous particles to attract to the magnetic bars. Typically, each bar will coat with 1/8" to 3/16" thick build up of ferrous particles (swarf), depending upon the dirt generated by the process. The bars are continuously indexed through the separation tank and wiped clean at the cleaning station. Each bar is wiped three (3) times by the upper and lower extending wiper arms. The material removed from the bars is transported by an auger to a swarf discharge tube. The clean liquid flows out of the tank at the top through a collector pipe and into the clean tank.

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**HIGH STANDARD CRITICAL DESIGN FEATURES**

- High Strength Permanent Magnets Encapsulated in a Stainless Steel Tube
- Low Fluid Velocity Typically Less Than 2 in/sec (50 mm/sec) Between Bars
- Large Magnetic Area When Compared to Other Style Magnetic Separators
- Small Distance From the Magnet in Which the Fluid Must Pass
- Small Footprint Reducing Space and Fluid Requirements
- Reliable and Effective Method of Bar Cleaning

**HIGH STANDARD ADVANTAGES**

- Reduce or Eliminate Disposable Media
- Increase Scrap Value
- Remove Tramp Oils
- Increase Solution Life and Performance
- Better Performance than Filters on Most Applications
- Low Operating Costs when compared to Filters

**HIGH STANDARD APPLICATIONS**

- Cold Rolling Coolant Systems
- Coil/Strip Cleaning Systems
- Coil Grinding Systems



*Click on our Social Media Apps for videos of our products.*

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