Dispensing Systems
Product Catalog

Franklin Fueling Systems

Dispensing Systems

Franklin Fueling Systems manufactures and markets a complete line of Stage II vapor recovery systems globally under the Healy product brand. Since 1983 when Healy introduced the world's first vacuum-assist vapor recovery system, our dispensing systems products have been in service throughout the world. Healy has remained the leader in the design and development of new Stage II vapor recovery technologies, which contribute to cleaner air and a healthier environment. Healy products are proven performers in Stage II vapor recovery, including the first to test and pass all the current Enhanced Vapor Recovery (EVR) and Onboard Refueling Vapor Recovery (ORVR) specifications of the California Air Resource Board (CARB).

Please visit www.franklinfueling.com/approvals to view Franklin Fueling Systems Intellectual Property information.

Underground Storage Tanks

CARB Certified for Use With	Executive Order Number	Vacuum Source Description
400 ORVR compatible nozzle with 6280 system monitor	G-70-186 G-70-186	VP500 vane pump 9000 mini-jet
600 bootless nozzle	G-70-183	VP1000
600 bootless nozzle with 6280 system monitor	G-70-165 G-70-165	VP500 vane pump 9000 mini-jet
800 ORVR compatible nozzle	G-70-191	VP1000
900 ORVR compatible nozzle	G-70-191	VP1000
900 EVR/ORVR compatible nozzle with clean air separator	VR-201	VP1000 for EVR
900 EVR/ORVR compatible nozzle with clean air separator and ISD	VR-202	VP1000 for EVR and ISD

Aboveground Storage Tanks

CARB Certified for Use With	Executive Order Number	Vacuum Source Description
400 ORVR compatible nozzle with 6280 system monitor	G-70-187 G-70-187	VP500 vane pump 9000 mini-jet

HEALY DISPENSING SYSTEMS
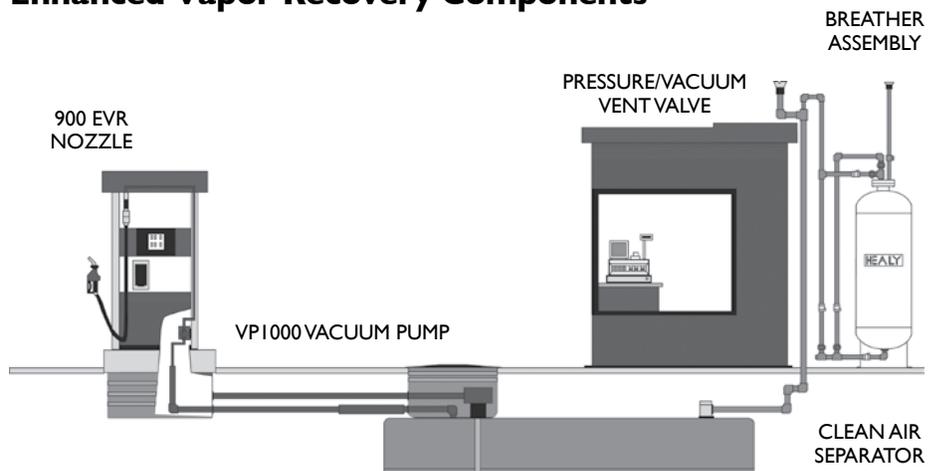
9961 Clean Air Separator

The Healy clean air separator prevents excess emissions and product loss by controlling gasoline storage tank pressure. The unit works in combination with Healy ORVR/EVR type nozzles as part of a system that increases overall performance and efficiency.

CARB Certified for Use With	Executive Order Number	Tank Type
Healy EVR components	VR-201 VR-202	UST without ISD UST with ISD

Model	Description
9961	Vertical clean air separator, includes breather assembly, 9466G float check, locking ball valves, locks and keys
9961H	Horizontal clean air separator, includes breather assembly, 9466G float check, locking ball valves, locks and keys
9948	Breather assembly
996123	1" ball valve (4 per CAS)
996124	Brass lock for ball valve (includes key) (4 per CAS)
996125	Keys for brass lock
9466G	Float Check (for use with CAS only)

Enhanced Vapor Recovery Components

BREATHER ASSEMBLY

PRESSURE/VACUUM VENT VALVE

900 EVR NOZZLE

VP1000 VACUUM PUMP

HEALY

CLEAN AIR SEPARATOR

VP1000 Series Dispenser-Mounted Vacuum Source

One vacuum pump per dispenser supplies both sides, reducing long term maintenance costs. The VP1000 has been designed to satisfy the vapor recovery needs of a blender or non-blender dispenser. Simple installation with no excavation minimizes downtime and labor. The VP1000 connects to the dispenser with a simple interface module without costly software changes or electronic board replacement. This is the most cost-effective dispenser-mounted vacuum-assist system on the market today.

Advantages

- Compatible with new and existing dispensers.

- Underground tank certification.
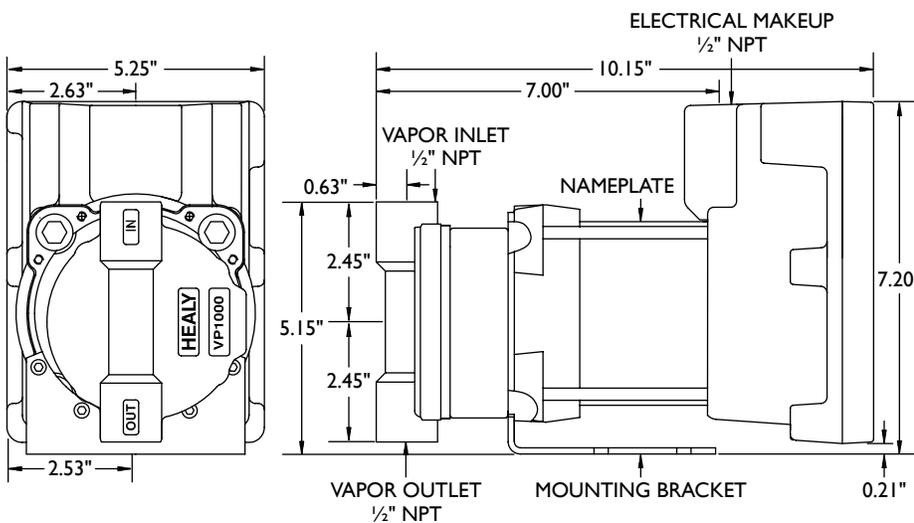
ALL DIMENSIONS ARE APPROXIMATE AND REFERENCE ONLY.

CARB Certified for Use With	Executive Order Number	Tank Type
Healy 600 bootless nozzle	G-70-183	UST
Healy 800 ORVR nozzle	G-70-191	UST
Healy 900 EVR nozzle	VR-201	UST
	VR-202	UST

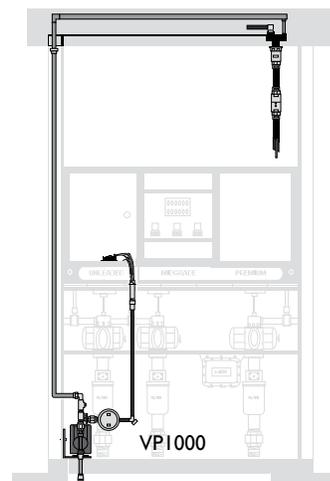## VP1000 Dispenser-Mounted Vacuum Source Kits

Each kit includes vapor and electrical conduits as listed below. One VP1000 per dispenser supplies both sides.

Model	Description
VP1000M	Gasboy 9800 Series - Non-Vapor Ready to Healy
Includes:	Z081H hardware kit
	Z081E electrical kit
	Z081V vapor kit
	VP1000-5 vacuum pump
	1374A MC100-1 interface module with harness
VP1000N	Dresser Wayne Harmony Series - Balance to Healy
Includes:	Z078H hardware kit
	Z078E electrical kit
	Z078V vapor kit
	VP1000-5 vacuum pump
	1365A MC100-1 interface module with harness
VP1000P	Dresser Wayne Ovation Series - Balance or WayneVAC to Healy
Includes:	Z079H hardware kit
	Z079E electrical kit
	Z079V vapor kit
	VP1000-5 vacuum pump
	1365A MC100-1 interface module with harness
VP1000Q	Dresser Wayne Harmony Series - WayneVAC to Healy
Includes:	Z080H hardware kit
	Z080E electrical kit
	Z080V vapor kit
	VP1000-5 vacuum pump
	1365A MC100-1 interface module with harness
VP1000R	Gilbarco Encore 300 or 500 Series - Balance to Healy
Includes:	Z082H hardware kit
	Z082E electrical kit
	Z082V vapor kit
	VP1000-5 vacuum pump
	1373A MC100-1 interface module with harness,
VP1000S	Gilbarco Encore 300 or 500 Series - VaporVAC to Healy
Includes:	Z082H hardware kit
	Z082E electrical kit
	Z083V vapor kit
	VP1000-5 vacuum pump
	1373A MC100-1 interface module with harness,
VP1000T	Dresser Wayne 3 Vista or 4 Vista Series - Balance to Healy
Includes:	Z084H hardware kit
	Z084E electrical kit
	Z084V vapor kit
	VP1000-5 vacuum pump
	1365A MC100-1 interface module with harness
VP1000V	Dresser Wayne 1 Vista or 2 Vista blenders only - Balance to Healy
Includes:	Z084H hardware kit
	Z084E electrical kit
	Z084V vapor kit
	VP1000-5 vacuum pump
	1363A MC100-1 interface module with harness,

MC100

VP1000

VP1000 INSTALLATION

5

VP1000 Dispenser Mounted Vacuum Source Kits (Non-Inclusive)

Kits do not include vapor and electrical conduits. Use Z070E and Z071V kits listed below. One VP1000 per dispenser supplies both sides.

Model	Description
VP1000A	For use with all dispenser types, use if a model-specific VP1000D-V is not available. Includes VP1000-5 vacuum pump, 1360A interface module and 1404 universal hardware/mounting kit.
VP1000D	Gilbarco 300 blender dispensers only (early model AC solenoid valves, pre-April 2003). Includes VP1000-5 vacuum pump, 1368A interface module with harness an 1404 universal hardware/mounting kit.
VP1000E	International only, VP1000-220, 1380A and 1404
VP1000G	Wayne DL non-blender dispensers only. Includes VP1000-5 vacuum pump, 1354A interface module with harness and 1404 universal hardware/mounting kit.
VP1000H	Tokheim Premier C blender dispensers with 24 VDC solenoids only. Includes VP1000-5 vacuum pump, 1362A interface module with harness and 1404 universal hardware/mounting kit.
VP1000J	Tokheim earlier-series blender dispenser with AC and DC solenoids. Includes VP1000-5 vacuum pump, 1372A interface module with harness and 1404 universal hardware/mounting kit.

Universal Vapor and Electrical Kits

For use with the VP1000 kits listed above.
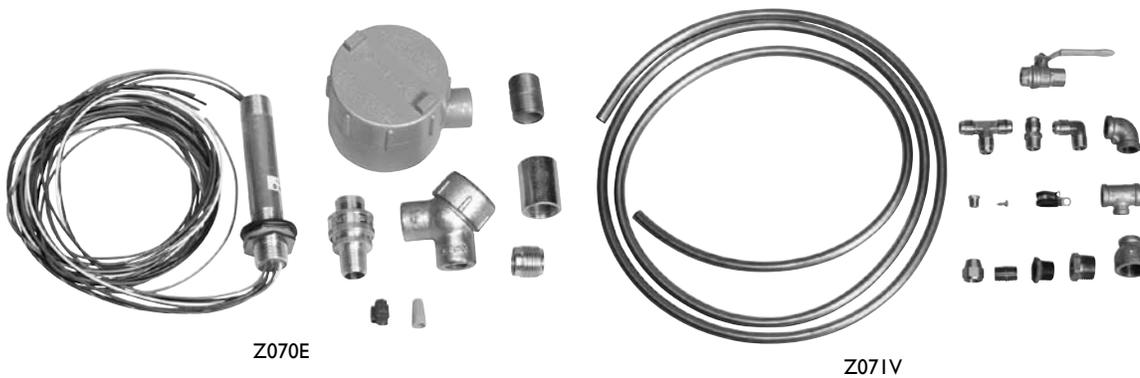
Z070E

Z071V

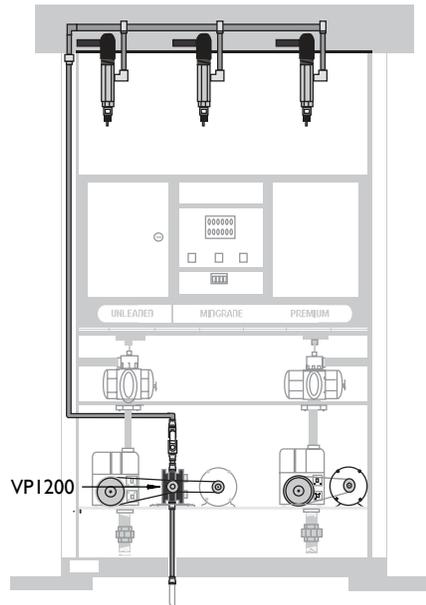| Model	Description
Z070E	Electrical installation kit for VP1000 Series vacuum source, for use with VP1000A-J
Z071V	Vapor piping installation kit for VP1000 Series vacuum source, for use with VP1000A-J
Z069E	International only, 220V electrical installation kit for VP1000E

VP1000 Replacement Parts

Model	Description
1316	6" potted conduit assembly
1346	3" potted conduit assembly, used in Z078E, Z079E, Z080E and Z084E
1354	Wire harness for use with Wayne DL non-blenders
1354A	1354 wire harness with interface module
1360	Wire harness, universal
1360A	1360 wire harness with interface module, universal
1362	Wire harness for use with Tokheim Premier C blender dispensers with 24 VDC solenoids
1362A	1362 wire harness with interface module
1363	Wire harness for use with Wayne 1 Vista and 2 Vista blender dispensers
1363A	1363 wire harness with interface module
1365	Wire harness for use with Wayne Ovation, 3 Vista and 4 Vista dispensers
1365A	1365 wire harness with interface module
1368	Wire harness for use with Gilbarco Encore 300 blender dispensers, early AC solenoids, pre-April 2003
1368A	1368 wire harness with interface module
1372	For use with earlier version Tokheim blender dispensers with AC and DC solenoids
1372A	1372 wire harness with interface module
1373	Wire harness for use with Gilbarco Encore 300 and 500 Series dispensers, with 24VDC solenoids
1373A	1373 wire harness with interface module
1374	Wire harness for use with Gasboy 9800
1374A	1374 wire harness with interface module
1404	Universal mounting kit
144401	VP1000 front cover assembly (includes 98008 o-ring)
13602	Spare fuse 5 A, 250 Volt
MC100-1	Universal interface module only
VP1000-5	Vacuum pump only, 110 Volt
RVP1000-5	Rebuilt VP1000-5 vacuum pump only
VP1000-5 Core	VP1000-5 core in reusable condition for rebuild
VP1000VRC-P	VP1000 vane and rotor replacement kit, includes vanes, rotor shaft key and cover O-ring
VP1000-220	International vacuum pump only, 220 Volt
MC200-1	International control module only, 220 Volt
131602901	International 6" potted conduit assembly, 220V
1380	International wire harness, universal 220V
1380A	International 1380 wire harness with interface module, universal 220V
MC100-1 PLUG	Replacement jumper plug for interface module
98008	O-ring for VP1000 front cover
144402	VP1000 front cover assembly (international only)

VP1200 Series Self-Contained Suction Pump Dispenser-Mounted Vacuum Source

Similar to the VP1000, except powered by a suction pump motor. One pump supplies both sides. Simple installation with no excavation minimizes downtime and labor; ideal for retrofitting new or existing dispensers, installs easily on a bracket or attached to the frame of the unit. High vacuum level assures clearing of flooded vapor hoses.

VP1200

VP1200 INSTALLATION

Model	Description
VP1200-1	Self-contained suction pump-mounted assembly (bronze rotor)
VP1200-3	Self-contained suction pump-mounted assembly with flame arrestors (bronze rotors)
VP1200VR-B	Vane and rotor kit (bronze)
127434	Machine key, square

Note: For international markets, contact factory for additional information. Non-electric, powered by a suction dispenser pump motor.

Advantages

- Aboveground tank installation.
- Underground tank installation.
- Available as full-service with hold-open clip.
- Available as self-service without hold-open clip.

400 Series ORVR Nozzle

The first nozzle to receive CARB certification for ORVR compatibility. For use on central vacuum vapor recovery systems and in aboveground storage tank applications. ORVR and vapor flow controls are built into the nozzle.

CARB Certified for Use With	Executive Order Number	Tank Type
9000 mini-jet	G-70-187	AST
VP500 vane pump	G-70-187	AST
Type 100 jet pump	G-70-187	AST
9000 mini-jet	G-70-186	UST
VP500 vane pump	G-70-186	UST

Model	Description
400-04 FS	400 ORVR compatible nozzle, unleaded, full-service with black scuffguard*
400-04 RFS	Rebuilt 400 ORVR compatible nozzle, unleaded, full-service with black scuffguard*
400-04 SS	400 ORVR compatible nozzle, unleaded, self-service with black scuffguard*
400-04 RSS	Rebuilt 400 ORVR compatible nozzle, unleaded, self-service with black scuffguard*
400 Core	400 nozzle core, in reusable condition for rebuild
468	400 nozzle scuffguard, black
468BL	400 nozzle scuffguard, blue
468G	400 nozzle scuffguard, green
468GD	400 nozzle scuffguard, gold
468R	400 nozzle scuffguard, red
468SL	400 nozzle scuffguard, silver
468W	400 nozzle scuffguard, white
469	400 nozzle handle cover
405220905	400 nozzle spout kit includes 408-2A spout assembly, 408-OR O-ring kit, 409 boot assembly and 425 boot clamp
405219904	400 nozzle boot assembly includes 425 boot clamp
405221901	400 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover

*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "04" in the model number as follows: BL for blue, GD for gold, G for green, R for red, SL for silver or W for white.

600 Series Bootless Nozzle

The 600 Series bootless vapor recovery nozzle is the international standard for Stage II components. For use on new or existing dispensers, it can be installed with both central or dispenser mounted vacuum sources.

Advantages

- Highest quality.
- Bootless design.
- Available as full-service with hold-open clip.
- Available as self-service without hold-open clip.

CARB Certified for Use With	Executive Order Number	Tank Type
9000 mini-jet	G-70-165	UST
VP500 vane pump	G-70-165	UST
VP1000 Series vacuum pump	G-70-183	UST

Model	Description
600-02G3 FS	600 bootless nozzle, unleaded, full-service with black scuffguard*
600-02G3 RFS	Rebuilt 600 bootless nozzle, unleaded, full-service with black scuffguard*
600-02G3 SS	600 bootless nozzle, unleaded, self-service with black scuffguard*
600-02G3 RSS	Rebuilt 600 bootless nozzle, unleaded, self-service with black scuffguard*
469	600 nozzle handle cover
600 Core	600 nozzle core, in reusable condition for rebuild
6030	600 nozzle scuffguard, black
6030BL	600 nozzle scuffguard, blue
6030G	600 nozzle scuffguard, green
6030GD	600 nozzle scuffguard, gold
6030R	600 nozzle scuffguard, red
6030SL	600 nozzle scuffguard, silver
6030W	600 nozzle scuffguard, white
6030Y	600 nozzle scuffguard, yellow
405219903	600 nozzle vapor escape guard and 6119 boot clamp, black
405220903	600 nozzle spout kit includes 6206-G4 spout assembly, 6206-OR O-ring kit, 6118 vapor escape guard, and 6119 boot clamp
405221901	600 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 handguard and 235-C lever cover

*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in model number, as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

Advantages

- Highest quality.

- ORVR compatible for underground tank systems without the need for a back-end processor.

- Reliable and efficient.

- Available as full-service with hold-open clip.

- Available as self-service without hold-open clip.

800 Series ORVR Nozzle

Converts any new or existing dispenser to a CARB certified system for ORVR compatibility. ORVR detection is built into the nozzle, and there is no need for a back-end processor.

CARB Certified for Use With	Executive Order Number	Tank Type
VP1000 Series vacuum pump	G-70-191	UST

Model	Description
800-02G3 FS	800 ORVR compatible nozzle, unleaded, full-service with black scuffguard*
800-02G3 RFS	Rebuilt 800 ORVR compatible nozzle, unleaded, full-service with black scuffguard*
800-02G3 SS	800 ORVR compatible nozzle, unleaded, self-service with black scuffguard*
800-02G3 RSS	Rebuilt 800 ORVR compatible nozzle, unleaded, self-service with black scuffguard*
469	800 nozzle handle cover
6408	800 nozzle scuffguard, black
6408BL	800 nozzle scuffguard, blue
6408G	800 nozzle scuffguard, green
6408GD	800 nozzle scuffguard, gold
6408R	800 nozzle scuffguard, red
6408SL	800 nozzle scuffguard, silver
6408W	800 nozzle scuffguard, white
6408Y	800 nozzle scuffguard, yellow
800 Core	800 nozzle core, in reusable condition for rebuild
405219902	800 nozzle mini-boot with face seal and 640956 boot clamp
405220902	800 nozzle spout kit includes 8177 spout assembly, 6206-OR O-ring kit, 6395A boot and 640956 boot clamp
405221901	800 nozzle hold-open clip kit includes 6238-2 hold open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover

*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in the model number as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

708 Series ORVR Nozzle

Converts Dresser WayneVac or Gilbarco VaporVac equipped dispensers to a TCEQ-certified system for ORVR compatibility. ORVR detection is built into the nozzle and there is no need for a back-end processor. The high quality, durable Healy 708 Series nozzle, designed using state-of-the-art engineering, includes a dripless spout design which reduces fugitive emissions.

Advantages

- ORVR compatible for underground tank systems.
- Reliable and efficient.
- Available as full-service with hold-open clip or self-service without hold-open clip.
- Over-horizontal interlock mechanism.

TCEQ Certified for Use With	Tank Type
Dresser WayneVac Gilbarco VaporVac	UST

Model	Description
708-02G3 FS	708 ORVR compatible nozzle, unleaded, full-service, with black scuffguard*
708-02G3 RFS	Rebuilt 708 ORVR compatible nozzle, unleaded, full-service, with black scuffguard*
708-02G3 SS	708 ORVR compatible nozzle, unleaded, self-service, with black scuffguard*
708-02G3 RSS	Rebuilt 708 ORVR compatible nozzle, unleaded, self-service, with black scuffguard*
469	708 nozzle handle cover
708 core	708 nozzle core, in reusable condition for rebuild
6408	708 nozzle scuffguard, black
6408BL	708 nozzle scuffguard, blue
6408GD	708 nozzle scuffguard, gold
6408G	708 nozzle scuffguard, green
6408R	708 nozzle scuffguard, red
6408SL	708 nozzle scuffguard, silver
6408W	708 nozzle scuffguard, white
6408Y	708 nozzle scuffguard, yellow
405219902	708 nozzle mini-boot with 279A face seal and 640956 boot clamp
405220902	708 dripless nozzle spout kit includes 8177 spout assembly, 6206-OR O-ring kit, 6395A boot assembly and 640956 boot clamp
405221901	708 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover

*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in model number, as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

HEALY DISPENSING SYSTEMS

- ORVR compatible for underground tank systems.

- Highest quality, most efficient nozzle available.

- Reliable and low-maintenance.

- Available as full-service with hold-open clip or self-service without hold-open clip.

- Boot-insertion interlock mechanism.

709 Series ORVR Nozzle

Converts Dresser WayneVac or Gilbarco VaporVac equipped dispensers to a TCEQ-certified system for ORVR compatibility. ORVR detection is built into the nozzle and there is no need for a back-end processor. The high quality, durable Healy 709 Series nozzle, designed using state-of-the-art engineering, includes a dripless spout design which reduces fugitive emissions.

TCEQ Certified for Use With	Tank Type
Dresser WayneVac Gilbarco VaporVac	UST

Model	Description
709-02G3 FS	709 ORVR compatible nozzle, unleaded, full-service, with black scuffguard*
709-02G3 RFS	Rebuilt 709 ORVR compatible nozzle, unleaded, full-service, with black scuffguard*
709-02G3 SS	709 ORVR compatible nozzle, unleaded self-service, with black scuffguard*
709-02G3 RSS	Rebuilt 709 ORVR compatible nozzle, unleaded self-service, with black scuffguard*
469	709 nozzle handle cover
709 core	709 nozzle core, in reusable condition for rebuild
6408	709 nozzle scuffguard, black
6408BL	709 nozzle scuffguard, blue
6408GD	709 nozzle scuffguard, gold
6408G	709 nozzle scuffguard, green
6408R	709 nozzle scuffguard, red
6408SL	709 nozzle scuffguard, silver
6408W	709 nozzle scuffguard, white
6408Y	709 nozzle scuffguard, yellow
405219901	709 nozzle mini-boot with face seal and 640956 boot clamp
405220901	709 dripless nozzle spout kit includes 8155 spout assembly, 6206-OR O-ring kit, 6395B boot assembly and 640956 boot clamp
405221901	709 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover

*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in model number, as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

900 Series EVR Certified Nozzle

The most efficient and durable gasoline nozzle on the market today. The 900 Series boasts high quality, durability and state-of-the-art engineering designed to reduce emissions caused by liquid retention and spillage. The 900 Series nozzle is ORVR and EVR certified by the California Air Resources Board (CARB).

Advantages

- EVR/ORVR certified.
- Highest quality, most efficient nozzle available.
- Reliable and low maintenance.
- Available as full-service with hold-open clip.
- Available as self-service without hold-open clip.

CARB Certified for Use With	Executive Order Number	Tank Type
VP1000 Series vacuum pump	VR-201 VR-202 G-70-191	UST

Model	Description
900-02G3 FS	900 EVR/ORVR compatible nozzle, unleaded, full-service with black scuffguard*
900-02G3 RFS	Rebuilt 900 EVR/ORVR compatible nozzle, unleaded, full-service with black scuffguard*
900-02G3 SS	900 EVR/ORVR compatible nozzle, unleaded, self-service with black scuffguard*
900-02G3 RSS	Rebuilt 900 EVR/ORVR compatible nozzle, unleaded, self-service with black scuffguard*
469	900 nozzle handle cover
6408	900 nozzle scuffguard, black
6408BL	900 nozzle scuffguard, blue
6408G	900 nozzle scuffguard, green
6408GD	900 nozzle scuffguard, gold
6408R	900 nozzle scuffguard, red
6408SL	900 nozzle scuffguard, silver
6408W	900 nozzle scuffguard, white
6408Y	900 nozzle scuffguard, yellow
900 Core	900 nozzle core, in reusable condition for rebuild
405219901	900 nozzle mini-boot with face seal and 640956 boot clamp
405220901	900 dripless nozzle spout kit includes 8155 spout assembly, 6206-OR O-ring kit, 6395B boot assembly and 640956 boot clamp
405221901	900 nozzle hold-open clip kit includes 6238-2 hold-open clip, 239-L rear guard rivet, 6249 spring, 6130-4 lever assembly, 240-SS pal nut, 219 front guard rivet, 6358 hand guard and 235-C lever cover

*Nozzles are supplied with black scuffguards unless otherwise specified. To order a nozzle with a scuffguard color other than black, place appropriate "X" code after "G3" in model number, as follows: BL for blue, GD for gold, G for green, R for red, SL for silver, W for white or Y for yellow.

Hoses and System Accessories

Number	Description
1	75 Series coaxial hose
2	F2F2 whip hose
3	CX6-VV3A non-vapor ready multi-product dispenser hose adapter
4	CX6-A non-vapor ready dispenser hose adapter
5	F3F2 metric-type whip hose
6	S4F2 balance-type whip hose
7	8701VV breakaway
8	807 swivel breakaway
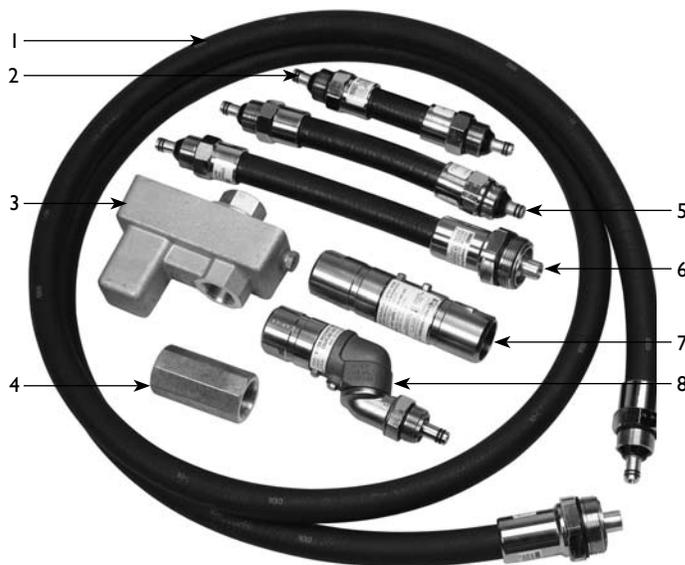
75 Series Coaxial Hose

Manufactured with a swivel on each end to provide the ease of handling customers prefer. Inverted coaxial design reduces hose size and the steel braided, premium, abuse-resistant outer hose assures long service life and low maintenance. Available in up to 20' lengths.

F2F2 Whip Hose

Standard inverted coaxial with fixed, Healy thread hose ends.

CX6-VV3A Non-Vapor Ready Multi-Product Dispenser Hose Adapter

Converts a non-vapor ready high-hose multi-product dispenser to Healy's inverted coaxial hose thread.

CX6-A Non-Vapor Ready Dispenser Hose Adapter

Converts a non-vapor ready conventional dispenser thread to Healy's inverted coaxial hose thread.

F3F2 Metric-Type Whip Hose

Adapter-type whip hose allows direct connection to the metric balance hose outlet without the need for a hose adapter.

S4F2 Balance-Type Whip Hose

Adapter-type whip hose allows direct connection to the balance hose outlet without the need for a hose adapter.
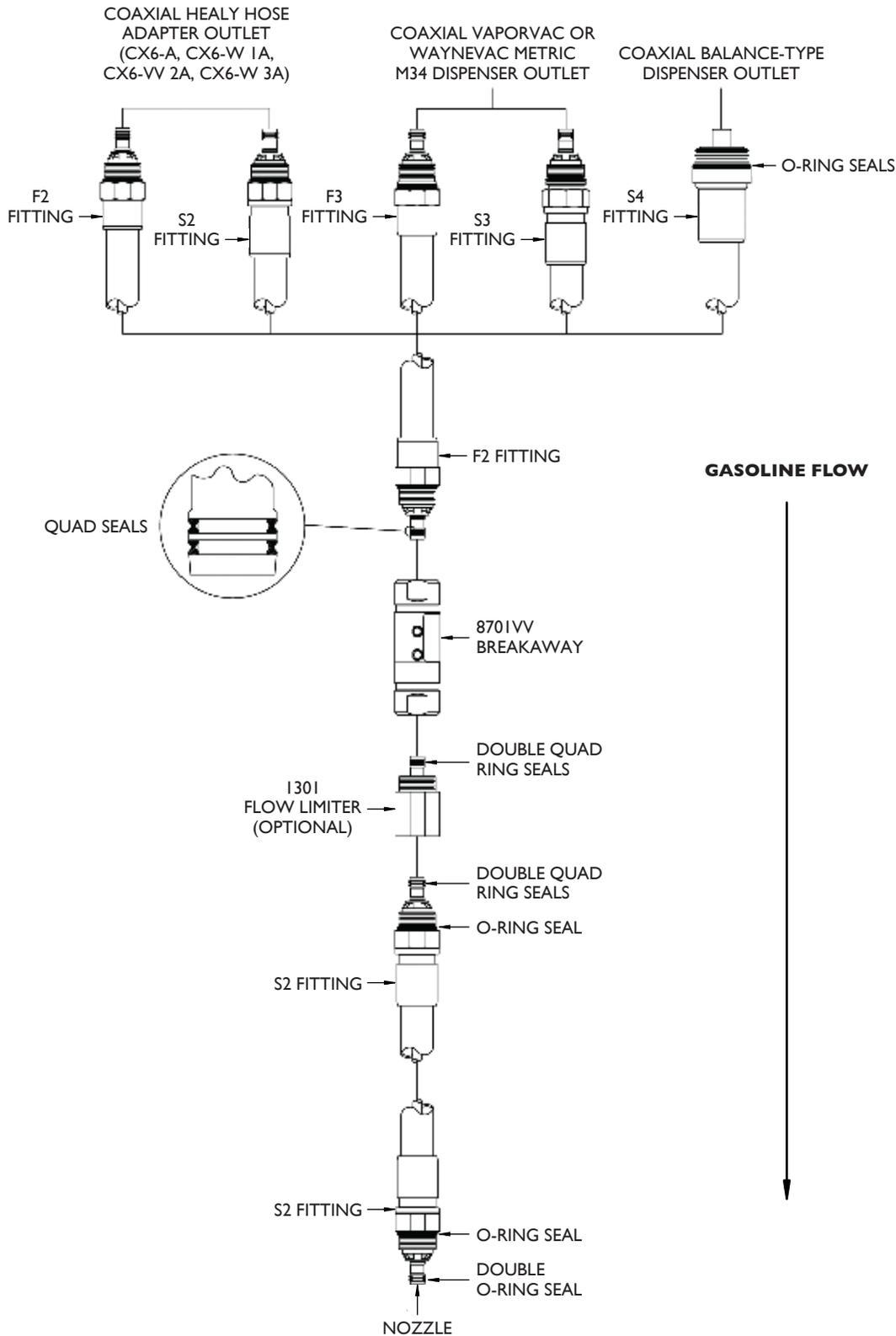
8701VV Breakaway

Full product and vapor shut-off, with 350 lbs. separation force. Spare shear screw allows ease of field repair in the event of a drive-off.

807 Swivel Breakaway

Breakaway and nozzle swivel in one. Allows for easier far side fueling. Full product and vapor path shut-off, with 350 lbs. separation force. Spare shear screw allows ease of field repair in the event of a drive-off.

Standard Healy and Whip Hoses

Hanging Hardware Selection Options with 8701VV Breakaway and 1301 Flow Limiter

COAXIAL HEALY HOSE
ADAPTER OUTLET
(CX6-A, CX6-W 1A,
CX6-VV 2A, CX6-W 3A)

COAXIAL VAPORVAC OR
WAYNEVAC METRIC
M34 DISPENSER OUTLET

COAXIAL BALANCE-TYPE
DISPENSER OUTLET

O-RING SEALS

F2
FITTING

S2
FITTING

F3
FITTING

S3
FITTING

S4
FITTING

F2 FITTING

GASOLINE FLOW

QUAD SEALS

8701VV
BREAKAWAY

DOUBLE QUAD
RING SEALS

1301
FLOW LIMITER
(OPTIONAL)

DOUBLE QUAD
RING SEALS

O-RING SEAL

S2 FITTING

S2 FITTING

O-RING SEAL

DOUBLE
O-RING SEAL

NOZZLE

75 Series ¾" Standard Healy Hose

Healy straight threaded swivels at nozzle and breakaway ends.

Model	Description
75B-030-S2S2	3' standard Healy coaxial hose
75B-035-S2S2	3½' standard Healy coaxial hose
75B-040-S2S2	4' standard Healy coaxial hose
75B-045-S2S2	4½' standard Healy coaxial hose
75B-050-S2S2	5' standard Healy coaxial hose
75B-055-S2S2	5½' standard Healy coaxial hose
75B-060-S2S2	6' standard Healy coaxial hose
75B-065-S2S2	6½' standard Healy coaxial hose
75B-070-S2S2	7' standard Healy coaxial hose
75B-075-S2S2	7½' standard Healy coaxial hose
75B-080-S2S2	8' standard Healy coaxial hose
75B-085-S2S2	8½' standard Healy coaxial hose
75B-090-S2S2	9' standard Healy coaxial hose
75B-095-S2S2	9½' standard Healy coaxial hose
75B-100-S2S2	10' standard Healy coaxial hose
75B-105-S2S2	10½' standard Healy coaxial hose
75B-110-S2S2	11' standard Healy coaxial hose
75B-115-S2S2	11½' standard Healy coaxial hose
75B-120-S2S2	12' standard Healy coaxial hose
75B-125-S2S2	12½' standard Healy coaxial hose
75B-130-S2S2	13' standard Healy coaxial hose
75B-135-S2S2	13½' standard Healy coaxial hose
75B-140-S2S2	14' standard Healy coaxial hose

Note: Healy hoses are available from three feet up to 20 feet; contact factory for pricing and availability of lengths not shown. Hoses are CARB-approved for overall assembly lengths up to 20 feet, including breakaway and whip hose.

Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red.

75 Series ¾" Standard Whip Hose

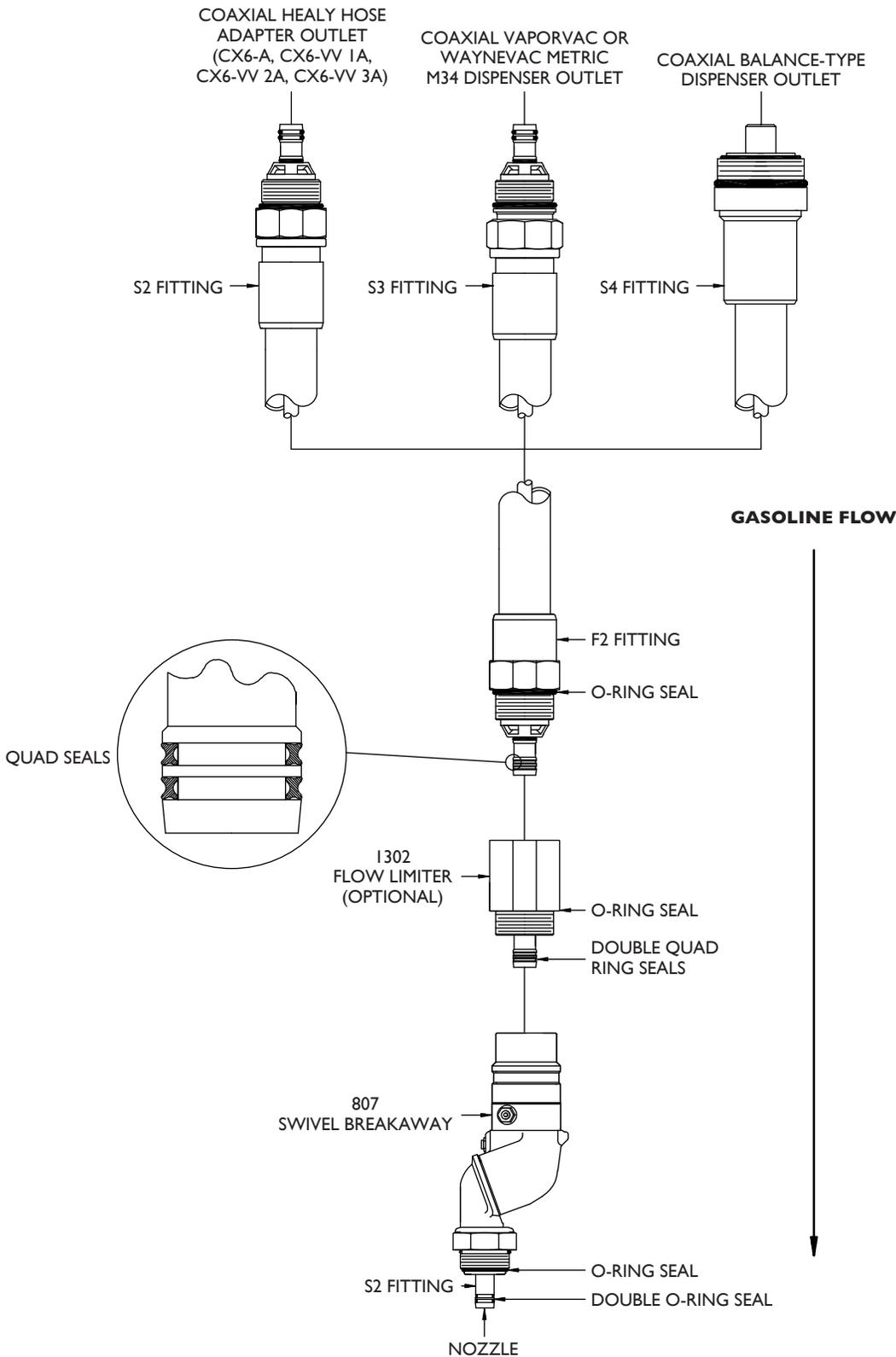For use with 8710VV breakaway and Healy product hose.

Model	Description
75B-008-F2F2	Healy straight thread, fixed ends on breakaway and dispenser ends
75B-008-F3F2	Healy straight thread, fixed end on breakaway end, metric thread on dispenser end
75B-008-S2F2	Healy straight thread, fixed end on breakaway end, swivel end on dispenser end
75B-008-S3F2	Healy straight thread, fixed end on breakaway end, metric swivel thread end on dispenser end
75B-010-S4F2	Fixed end on breakaway end, balance swivel end on dispenser end

Note: Hose ends are defined as follows: F2 = fixed ends with Healy straight thread, F3 = fixed ends with metric M-34 thread, S2 = swivel ends with Healy straight thread, S3 = swivel ends with metric M-34 thread, S4 = swivel ends with balance-type thread.

Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red.

Metric- and Balance-Ready Hoses

Hanging Hardware Selection Options with 807 Swivel Breakaway and 1302 Flow Limiter

COAXIAL HEALY HOSE
ADAPTER OUTLET
(CX6-A, CX6-VV 1A,
CX6-VV 2A, CX6-VV 3A)

COAXIAL VAPORVAC OR
WAYNEVAC METRIC
M34 DISPENSER OUTLET

COAXIAL BALANCE-TYPE
DISPENSER OUTLET

S2 FITTING

S3 FITTING

S4 FITTING

GASOLINE FLOW

F2 FITTING

O-RING SEAL

QUAD SEALS

1302
FLOW LIMITER
(OPTIONAL)

O-RING SEAL

DOUBLE QUAD
RING SEALS

807
SWIVEL BREAKAWAY

O-RING SEAL

S2 FITTING

DOUBLE O-RING SEAL

NOZZLE

75 Series ¾" Healy Hose for Metric-Ready Dispensers

Healy straight thread fixed at 807 swivel breakaway or nozzle and metric thread swivel at dispenser outlet.

Model	Description
75B-080-S3F2	8' metric-ready dispenser coaxial hose
75B-085-S3F2	8½' metric-ready dispenser coaxial hose
75B-090-S3F2	9' metric-ready dispenser coaxial hose
75B-095-S3F2	9½' metric-ready dispenser coaxial hose
75B-100-S3F2	10' metric-ready dispenser coaxial hose
75B-105-S3F2	10½' metric-ready dispenser coaxial hose
75B-110-S3F2	11' metric-ready dispenser coaxial hose
75B-115-S3F2	11½' metric-ready dispenser coaxial hose
75B-120-S3F2	12' metric-ready dispenser coaxial hose
75B-125-S3F2	12½' metric-ready dispenser coaxial hose
75B-130-S3F2	13' metric-ready dispenser coaxial hose
75B-135-S3F2	13½' metric-ready dispenser coaxial hose
75B-140-S3F2	14' metric-ready dispenser coaxial hose

Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red.

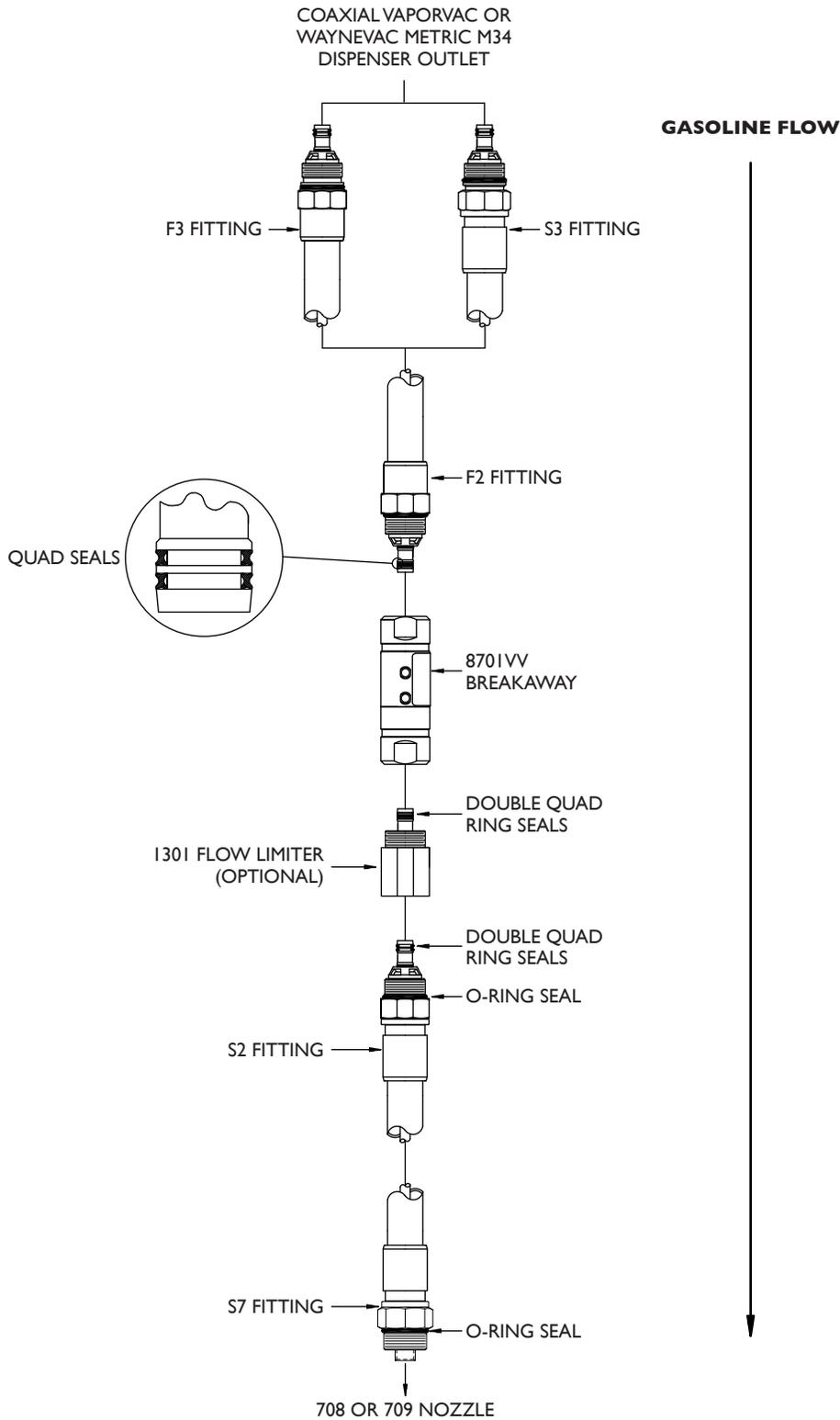## 75 Series ¾" Healy Hose for Balance-Ready Dispensers

Healy straight thread fixed at 807 swivel breakaway or nozzle and balance-type thread swivel at dispenser outlet.

Model	Description
75B-080-S4F2	8' balance-ready dispenser coaxial hose
75B-085-S4F2	8½' balance-ready dispenser coaxial hose
75B-090-S4F2	9' balance-ready dispenser coaxial hose
75B-095-S4F2	9½' balance-ready dispenser coaxial hose
75B-100-S4F2	10' balance-ready dispenser coaxial hose
75B-105-S4F2	10½' balance-ready dispenser coaxial hose
75B-110-S4F2	11' balance-ready dispenser coaxial hose
75B-115-S4F2	11½' balance-ready dispenser coaxial hose
75B-120-S4F2	12' balance-ready dispenser coaxial hose
75B-125-S4F2	12½' balance-ready dispenser coaxial hose
75B-130-S4F2	13' balance-ready dispenser coaxial hose
75B-135-S4F2	13½' balance-ready dispenser coaxial hose
75B-140-S4F2	14' balance-ready dispenser coaxial hose

Note: Healy hoses are available from three feet up to 20 feet; contact factory for pricing and availability of lengths not shown. Hoses are CARB-approved for overall assembly lengths up to 20 feet, including breakaway and whip hose.

Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red.

S7 Series Hoses
(for use with 708 and 709 series nozzle only)

COAXIAL VAPORVAC OR
WAYNEVAC METRIC M34
DISPENSER OUTLET

GASOLINE FLOW

F3 FITTING

S3 FITTING

F2 FITTING

QUAD SEALS

8701VV
BREAKAWAY

DOUBLE QUAD
RING SEALS

1301 FLOW LIMITER
(OPTIONAL)

DOUBLE QUAD
RING SEALS

O-RING SEAL

S2 FITTING

S7 FITTING

O-RING SEAL

708 OR 709 NOZZLE

75 Series ¾" S7 Series Healy Hose

Healy straight thread swivels at both ends (for use with 708 and 709 series nozzles only).

Part Number	Description
75B-080-S2S7	8' standard Healy coaxial hose
75B-085-S2S7	8½' standard Healy coaxial hose
75B-090-S2S7	9' standard Healy coaxial hose
75B-095-S2S7	9½' standard Healy coaxial hose
75B-100-S2S7	10' standard Healy coaxial hose
75B-105-S2S7	10½' standard Healy coaxial hose
75B-110-S2S7	11' standard Healy coaxial hose
75B-115-S2S7	11½' standard Healy coaxial hose
75B-120-S2S7	12' standard Healy coaxial hose
75B-125-S2S7	12½' standard Healy coaxial hose
75B-130-S2S7	13' standard Healy coaxial hose
75B-135-S2S7	13½' standard Healy coaxial hose
75B-140-S2S7	14' standard Healy coaxial hose

Note: Healy hoses are available from three feet up to 20 feet; contact factory for pricing and availability of lengths not shown.

Hoses are supplied in black unless otherwise specified. To order a hose in a color other than black, replace "B" with the code as follows: BL = blue, G = green, R = red.

75 Series Coaxial Hose Adapters

Model	Description
CX6-A	Hose adapter, non-vapor ready, NPT
CX6-AE	Hose adapter, non-vapor ready, BSP, international only
CX6-VV3A	Hose adapter, non-vapor ready, multi-product units

75 Series Standard and Balance-Ready Healy Hose Breakaways

Model	Description
715VV	Repair kit for 8701VV breakaway, includes valves and O-rings
761	Nozzle end for 8701VV breakaway scuffguard
762	Dispenser end for 8701VV breakaway scuffguard
787	Nickel plated brass shear screw for 8701VV
787-1	Nickel plated brass shear screw for 807 swivel breakaway
795	Clamp repair tool for 8701VV and 807 breakaway
807	Swivel breakaway installed between hose and nozzle
8701VV	Standard hose breakaway with vapor path shut-off, 350 lbs. strength
Z055	O-ring kit for 8701VV with nickel plated shear screw

Dispenser Vapor Retrofit Kits*

Model	Description
Z008	Standard for single-hose dispenser
Z009	Standard for dual-hose dispenser
Z044C	Universal for six-hose multi-product dispenser
Z046C	Universal for four-hose multi-product dispenser
Z047C	Universal for two-hose multi-product dispenser

*Hose adapters are not included in retrofit kits.

Hose Accessories and Spare Parts

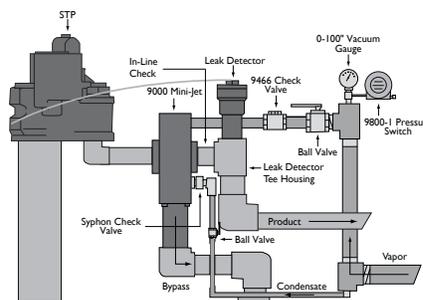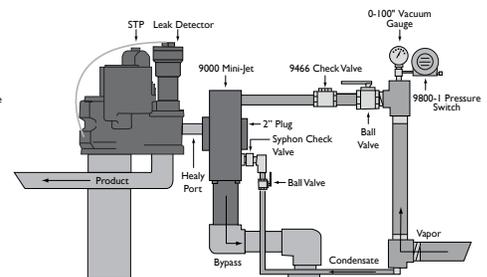| Model	Description
516	Hose end O-ring for S4 fitting, large
1301	Hose flow limiter for 8701VV standard breakaway, installed between breakaway and main hose
1302	Hose flow limiter for 807 swivel breakaway, installed between main hose and nozzle
8103	Hose clamp, for connect to hose retractor
HB-2	Hose end O-ring for S2 fitting, large
HB-4	Vapor end quad ring (2 required per adaptor)
291	Vapor end O-ring, small (2 required per adaptor)
6094	Hose end O-ring for S3 fitting, large

9000 Series Mini-Jet Central Vacuum Pump

The popular, non-electric mini-jet offers the ultimate in versatility utilizing an existing STP's product flow to create vacuum for vapor recovery. One mini-jet can handle eight fueling positions with four nozzles in simultaneous full flow operation. Additional mini-jets can be added for larger sites. Provides high reliability and low maintenance. High vacuum level assures clearing of flooded vapor hoses.

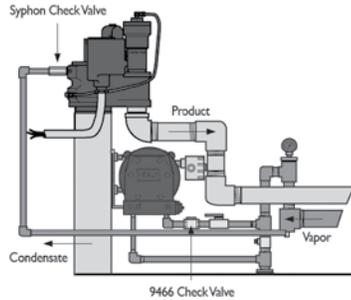IN-LINE INSTALLATION   HEALY PORT INSTALLATION

CARB Certified for Use With	Executive Order Number	Tank Type
Healy 400 ORVR nozzle	G-70-187	AST
Healy 400 ORVR nozzle	G-70-186	UST
Healy 600 bootless nozzle	G-70-165	UST

Model	Description
9000-02	9000 mini-jet, non-electric with syphon port, can handle eight fueling positions with four nozzles in simultaneous full flow
912A	9000 mini-jet check valve strainer assembly
940A	Vacuum regulator upgrade kit
965	O-ring (1 per cover)
CV4	O-ring, for 912A assembly

Note: Central vacuum source installations may require the use of the Healy 6280 monitor assembly.

VP500 Central Vacuum Vane Pump

Provides the ultimate in central vacuum versatility. 115/230 VAC — 50/60 Hz application. High vacuum level assures clearing of flooded vapor hoses. Available in two versions. VP500B for mounting in a STP sump. Handles 10 fueling positions with five nozzles in simultaneous full flow operation.

CARB Certified for Use With	Executive Order Number	Tank Type
Healy 400 ORVR nozzle	G-70-187	AST
Healy 400 ORVR nozzle	G-70-186	UST
Healy 600 bootless nozzle	G-70-165	UST

Model	Description
VP500B	VP500 vane pump with U-bolts and angle bracket for mounting, handles 10 fueling positions with five nozzles in simultaneous full flow
VP500	Replacement VP500 vane pump with regulator and flame arrestor assembly
VP500VR-3	VP500 vane and rotor replacement kit, pin drive
5007A	Regulator assembly
9214	VP500 flame arrestor

Note: Central vacuum source installation may require the use of the Healy 6280 monitor assembly.

• Flexible installation options.

• Low cost installation and operation.

• Unsurpassed low maintenance.

HEALY DISPENSING SYSTEMS

VP500C/1 or VP500C/2 Cabinet Models

The VP500 cabinet models provide the same performance specifications as the 500B but operate inside an attractive stainless steel cabinet designed to be mounted separately, remote of the gasoline storage tanks.

The C/1 contains one vacuum pump with a capacity to handle 10 fueling positions with five nozzles in simultaneous full flow operation.

The C/2 model contains two vacuum pumps within the same stainless steel cabinet but increases the system's vapor recovery capacity to handle 20 fueling positions with 10 nozzles in simultaneous full flow operation.
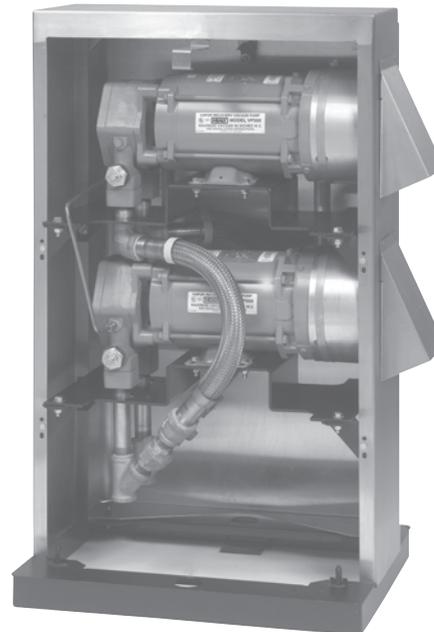
CARB Certified for Use With	Executive Order Number	Tank Type
Healy 400 ORVR nozzle	G-70-187	AST
Healy 400 ORVR nozzle	G-70-186	UST
Healy 600 bootless nozzle	G-70-165	UST

| Model	Description
VP500C/1	Single cabinet-mounted VP500 vane pump, includes 9800-1 pressure switch, handles 10 fueling positions with five nozzles in simultaneous full flow
VP500C/2	Dual cabinet-mounted VP500 vane pump, includes 9800-1 pressure switch, handles 20 fueling positions with 10 nozzles in simultaneous full flow

Note: Central vacuum source installation may require the use of the Healy 6280 monitor assembly.

100 Jet Pump Central Vacuum Source

Model	Description
100	100 jet pump central vacuum source, two required for each hose
930	100 jet pump central vacuum source O-ring
1005W-4	STP sensing relay for product input
1258A	100 jet pump external relief valve assembly

Note: Central vacuum source installation may require the use of the Healy 6280 monitor assembly.
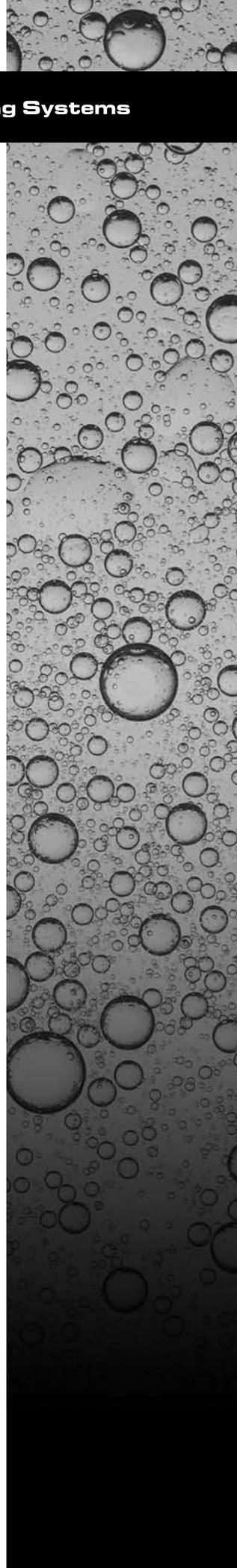
6280 Vapor Recovery Monitoring System

Continuously monitors system performance in accordance with CARB specifications.

For use with Healy central vacuum vapor recovery systems only. Required per CARB executive order for all USTs and when monthly throughput is greater than 10,000 gallons on ASTs.
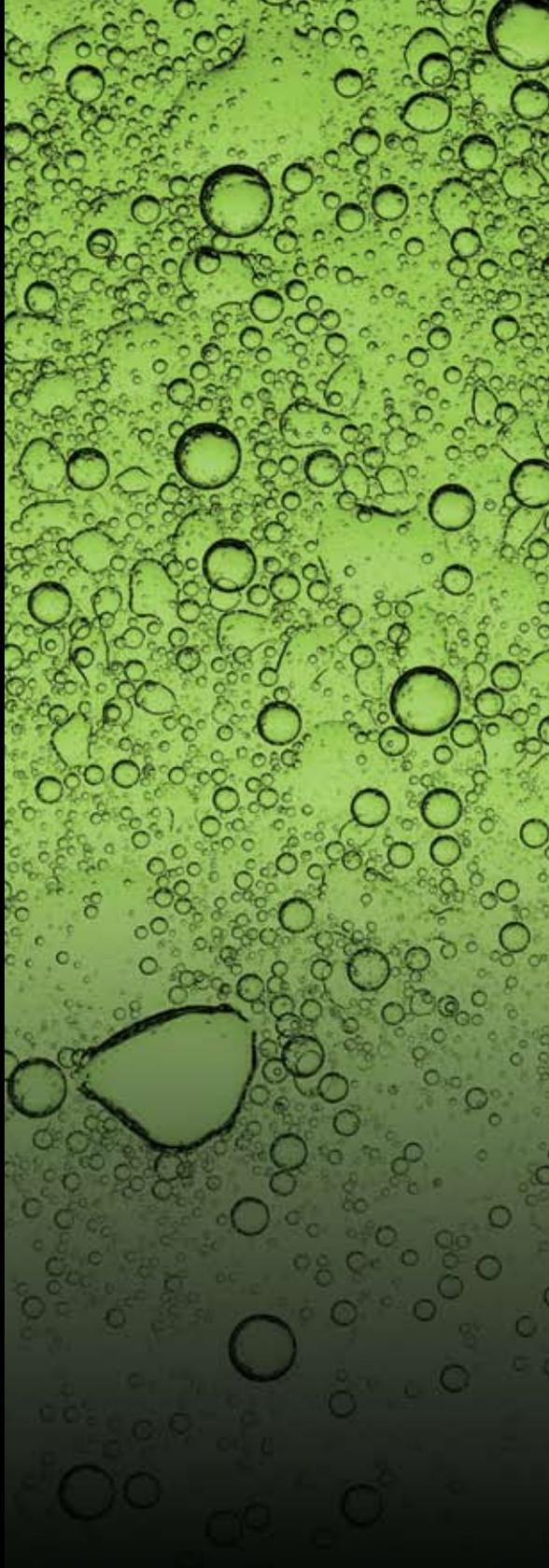
CARB Certified for Use With	Executive Order Number	Tank Type
9000 Series mini-jet with 400 ORVR nozzle	G-70-186	UST
VP500 Series vane pump	G-70-187	AST
9000 Series mini-jet with 600 bootless nozzle	G-70-165	UST
VP500 Series vane pump	G-70-165	UST

Model	Description
6280A	System monitor assembly, includes 6280 system monitor, 6275 vent sensor, SMCB control box, HPVV vacuum vent valve, 9800-1 pressure switch, HPV1.5 pressure vent valve, 9466 1" check valve
6280	Replacement monitor only
6275	Vent sensor assembly
9466	1" back pressure condensate drain check valve, central vacuum use only
9800-1	Pressure switch, replaces 93928 pressure switch
62755	Vent sensor assembly pressure switch for 6280A
628021	Control box power supply, 110 VAC to 12 VDC, 1.5 A
628028	Printer paper roll
628029	Printer ribbon cartridge
1005W-4	Control box solid state sensing relay for product input
405277901	Control box relay (CB1) with relay socket (CB1A)
HPV1.5	Pressure vent valve, +1½" WC pressure
HPVV	Vacuum vent valve, +3" WC pressure, -8" vacuum (non-EVR)
SMCB	Control box only with Healy 1005W solid state relay, includes 110V power supply
SMCB-1	Control box only without Healy 1005W solid state relay, includes 110V power supply

System Test Equipment

Model	Description
8175	Surrogate spout assembly, for use with 700/800/900 Series nozzles
9968	Clean air separator test port assembly
2302A	Gauge kit, 1-0-1" water column
6059	Spout adapter, air/liquid ratio test, for use with 600 Series nozzle only
8034-1	Spout adapter, air/liquid ratio test, for use with 700/800/900 Series nozzles only
8175-1	Surrogate spout assembly including 8034-1, for use with 700/800/900 Series nozzles only
939349A	Gauge kit, 0-100" water column
Z076	Roots meter package, 600 Series nozzle, includes Dresser Roots vapor recovery meter, flange kit, 1½" NPT × ½" NPT reducer, 6' × ¾" Tygon hose, 600 Series nozzle spout adapter and two ½" NPT × ¾" hose barb fittings
Z077	Roots meter package, 700/800/900 ORVR nozzle, includes Dresser Roots vapor recovery meter, flange kit, 1½" NPT × ½" NPT reducer, 6' × ¾" Tygon hose, ORVR nozzle spout adapter and two ½" NPT × ¾" hose barb fittings
63034	O-ring, for 8034-1 spout adapter
8006	Magnet strip assembly (for use with spout adapter 8034-1)

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