

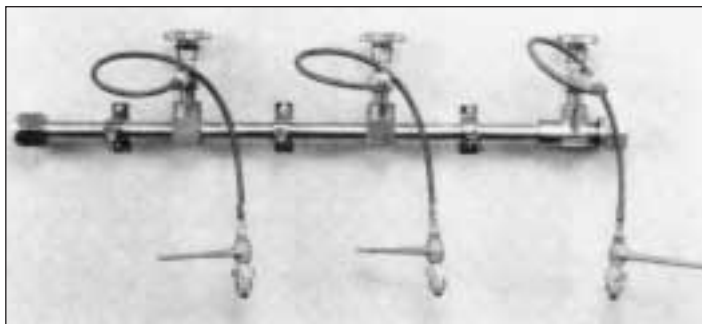
VICTOR® Header Extension - HER & HEL

All Victor Manifolds are expandable to meet changing application requirements. Victor header extensions are

easy to add to your existing Victor manifold system.

DESIGN AND CONSTRUCTION

- 3000 PSIG Rated
- Brazed brass construction for maximum leak protection
- Right or left side expansions.
- 1"-1 1/2 NPS Connections
- End capped to accommodate future expansion needs. (Option #08)
- Pigtails (Check valves are standard)
 - 24"/604mm rigid for Hydrogen, Helium & N₂O
 - 24"/604mm flexible for all other gases
 - Acetylene models equipped with dry flash arrestors
 - High purity brass and stainless models also available. Contact Victor



MODEL SHOWN: HER-3

*includes valves and pigtails as show above

HER = Right Side Manifold Extension*

HEL = Left Side Manifold Extension*

*Right and Left side looking at the manifold.

Dimension - Overall Length

# of Cylinders	1	2	3	4
Inches	17.4	27.4	37.4	47.4
Centimeters	44.1	69.5	94.9	120.4



EXPANSION ELBOW - 90° ANGLE 1"-1-1/2 NPS (F) X 1"-1-1/2 NPS (M)

PART #	LENGTH
1109-0503	4-1/2" LONG
1109-0501	8-1/3" LONG
1109-0502	11-1/3" LONG

**For Manifold
questions call**

1-800-569-0551

(U.S.A. Only)

Victor offers Station drops in 3 various configurations - single, double, and quad systems.

Each system can be outfitted for various gas service with the proper station valve or outlet valve.



Single



Double



Quad

Oxygen

Description	Model	Part Number
Single Station Drop with Station Valve 7/8"/22mm - 14 RH outlet CGA 024	SD - 1 - 024	1126 - 0003
Double Station Drop with Station Valve 7/8"/22mm - 14 RH outlet CGA 024	SD - 2 - 024	1126 - 0007
Quadruple Station Drop with Station Valve 7/8"/22mm - 14 RH outlet CGA 024	SD - 4 - 024	1126 - 0011
Single Station Drop with Ball Seat Valve 9/16"/14mm - 18 RH outlet CGA 022	SD - 1 - 022	1126 - 0018
Double Station Drop with Ball Seat Valve 9/16"/14mm - 18 RH outlet CGA 022	SD - 2 - 022	1126 - 0020
Quadruple Station Drop with Ball Seat Valve 9/16"/14mm - 18 RH outlet CGA 022	SD - 4 - 022	1126 - 0015

Fuel Gas

Description	Model	Part Number
Single Station Drop with Station Valve 7/8"/22mm - 14 LH outlet CGA 025	SD - 1 - 025	1126 - 0004
Double Station Drop with Station Valve 7/8"/22mm - 14 LH outlet CGA 025	SD - 2 - 025	1126 - 0008
Quadruple Station Drop with Station Valve 7/8"/22mm - 14 LH outlet CGA 025	SD - 4 - 025	1126 - 0012
Single Station Drop with Ball Seat Valve 9/16"/14mm - 18 LH outlet CGA 023	SD - 1 - 023	1126 - 0019
Double Station Drop with Ball Seat Valve 9/16"/14mm - 18 LH outlet CGA 023	SD - 2 - 023	1126 - 0021
Quadruple Station Drop with Ball Seat Valve 9/16"/14mm - 18 LH outlet CGA 023	SD - 4 - 023	1126 - 0016

VICTOR® Inert Gas Station Drops

W/ STATION VALVE

Description	Ordering Info	Part No.
Single Station Drop with Station Valve CGA 034	SD - 1 - 034	1126 - 0005
Double Station Drop with Station Valve CGA 034	SD - 2 - 034	1126 - 0009
Quadruple Station Drop with Station Valve CGA 034	SD - 4 - 034	1126 - 0013

W/ BALL VALVE

Description	Ordering Info	Part No.
Single Station Drop with Ball Seat Valve 5/8" - 18F RH CGA 032	SD - 1 - 032	1126 - 0006
Double Station Drop with Ball Seat Valve 5/8" - 18F RH CGA 032	SD - 2 - 032	1126 - 0010
Quadruple Station Drop with Ball Seat Valve 5/8" - 18F RH CGA 032	SD - 4 - 032	1126 - 0014

Station Regulators and Flowmeters are available.
 Station Regulator gauges are color coded for the gas service -
 Red for Fuel, Green for Oxygen

250 Series (Light Duty)

<u>Oxygen</u>	Delivery Range (psi)	Part Number
CS 250 B - 024	0-40	0781-1261
CS 250 D - 024	0-125	0781-1262

<u>Fuel Gas</u>	Delivery Range (psi)	Part Number
CS 260A - 025 (Acet & LP)	0-15	0781-1263
CS 261C - 025 (LP only)	0-80	0781-1264
CS 261D - 025 (LP only)	0-125	0781-1265

350 Series (Medium / Heavy Duty)

<u>Oxygen</u>	Delivery Range (psi)	Part Number
CS 350 BR -024 (rear)	0-40	0781-2508
CS 350 DR -024(rear)	0-125	0781-2509
CS 350 B -024(side)	0-40	0781-2503
CS 350 DR -024(rear)	0-125	0781-2502

<u>Fuel Gas - rear entry</u>	Delivery Range (psi)	Part Number
CS 360AR - 025 (Acet)	0-15	0781-2510
CS 361BR - 025 (LP only)	0-40	0781-2511
CS 361CR - 025 (LP only)	0-80	0781-2487

<u>Fuel Gas - side entry</u>	Delivery Range (psi)	Part Number
CS 360A - 025 (Acet)	0-15	0781-2504
CS 361B - 025 (LP only)	0-40	0781-2501
CS 361D - 025 (LP only)	0-125	0781-2513

700 Series (Extra Heavy Duty)

<u>Oxygen</u>	Delivery Range (psi)	Part Number
CL 700 D - 750 (side) (3/4" NPT inlet)	0-125	0780-1299
CL 700 E - 750(side) (3/4" NPT inlet)	0-200	0780-1300

<u>Fuel Gas - side entry</u>	Delivery Range (psi)	Part Number
CL 711 C - 750 (LP gas) (3/4" NPT inlet)	0-80	0780-1298

Other Line and Station regulators are available without color coded gauges.



These pressure switches are designed to activate remote alarm systems on Victor manifold systems. Once your minimum pressure is set, the pressure switch will activate your remote alarm upon depletion. These are explosion proof models in 15 amp 125 / 250 / 480 VAC resistive design. Switches can be wired "normally opened" or "normally closed."



CSA Listed
FM Approved

Part No.	Pressure Range (psig)	Maximum Inlet (psig)	Diaphragm Materials	Classification	Switch Output	Electrical Connections	Pressure Connections
1118-0068	1-20	500	316 SS	Explosion proof	SPDT	3/4"/19mm NPT(F)	1/4"NPT(F)
1118-0069	2-50	500	316 SS	Explosion proof	SPDT	3/4"/19mm NPT(F)	1/4"NPT(F)
1118-0070	125-3000	10,000	303 SS	Cleaned for oxygen	SPDT	1/2"/12mmNPT(F)	1/4"NPT(F)
1118-0071	30-575*	2500	Viton	Cleaned for oxygen	SPDT	1/2"/12mm NPT(F)	1/4"NPT(M)
1118-0072	0-300	350	316SS	Cleaned for oxygen	SPDT	7/8"	1/4"NPT(F)
1118-0074	50-1000	6000	316 SS	NEMA 4;7;9; IPGG	SPDT	3/4"/19mm NPT(F)	1/2"NPT(F)
1118-0075	250-3500	6000	316 SS	NEMA 4;7;9; IPGG	SPDT	3/4"/19mm NPT(F)	1/2"NPT(F)

* Factory set at 183 psig

REMOTE ALARMS

Victor Alarm Systems are designed to provide warning of service interruption when used on manifolds. Used in conjunction with a pressure switch, the Victor Alarm System will provide both visual or audio/visual warning of cylinder depletion for one or two gas manifold systems. Once activated, a visual only alarm will change from a "green" indicator for normal operation to a "red" indicator for depleted cylinders. Once the system is repressurized, the indicator lights will return to the normal "green" position. For systems with the audio/visual feature and audible buzzer rated at 90 DB @ 2ft. will ring and signal that the primary bank of cylinders is depleted. A reset button conveniently located on the front of the unit will deactivate the buzzer. The "red" light will remain on until the exhausted bank has been replaced. Ideal for Industry, Medical and Specialty Gas use. Easy to wire and helps prevent downtime.



DESIGN & CONSTRUCTION

- Transformer (125 VAC X 15 VDC) with 6 foot cord included
- Panels may be flush or back mounted
- 125 VAC/15 VDC
- Durable plastic case
- High intensity LED's
- Solid state components

DIMENSIONS

- Visual: 5"/126mmH x 3"/75mmL x 2"/50mmD
- Audio/Visual: 6"/151mmH x 3"/75mmW x 2"/50mmD
- Two Gas: 6"/151mmH x 6"/151mmW x 2"/50mmD

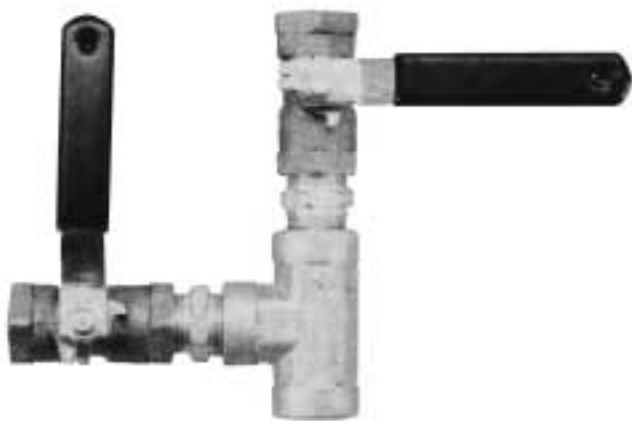
PART #	MODEL #	TYPE	# OF GASES
0265-0021	VAS-1V	VISUAL	1
0265-0019	VAS-1AV	AUDIO/VISUAL	1
0265-0020	VAS-2AV	AUDIO/VISUAL	2
0265-0030	MA24-1V	VISUAL	1
0265-0031	MA24-1AV	AUDIO/VISUAL	1
0265-0032	MA24-2AV	AUDIO/VISUAL	2
0265-0033	MA115-1V	VISUAL	1
0265-0034	MA115-1AV	AUDIO/VISUAL	1
0265-0035	MA115-2AV	AUDIO/VISUAL	2

• MA24 - 24V

• MA115 - 115V

VICTOR® Bypass Valves & Ball Valves

The Victor Bypass Valve is designed to allow shut-down of primary gas supply without interruption of gas service. These 1/2" and 3/4" bypass assemblies permit the user to shut off the primary supply and access a back-up or temporary gas source. This can be used to perform routine manifold maintenance and repair.



DESIGN AND CONSTRUCTION

- Ball Valves (2)
- 1/2" NPT and 3/4" NPT Models
- Brass bar stock tees and connections

PERFORMANCE SPECIFICATIONS

- Maximum pressure: 400 psig

Bypass Valve Ordering Information

Part No.	Description
1115-0000	1/2"/12mm Bypass Valve
1115-0001	3/4"/19mm Bypass Valve



BALL VALVE

- Forged brass body
- Teflon seat
- Chrome plated ball
- Teflon seals
- Steel handle
- 400 psig rating
- Clean for Oxygen service

Ball Valve Ordering Information

Part No.	Description
0660-0032	1/2"/12mm Ball Valve
0060-0042	3/4"/19mm Ball Valve

Hydraulic Flash Arrestor



HYDRAULIC FLASH ARRESTORS

Required on manifolds with two or more Fuel Gas Cylinders. These units provide flashback protection at the source of the gas. These systems are designed to provide protection via the use of ethylene-glycol in the unit. Included in each unit is a pressure relief valve which provides additional protection to the system in the event of over-pressurization. Maximum flow is 1000 SCFH for the FB-2A and 300 SCFH for the FB-1A. Hydraulic Arrestors are FM approved.

* Ethylene Glycol provided with all units

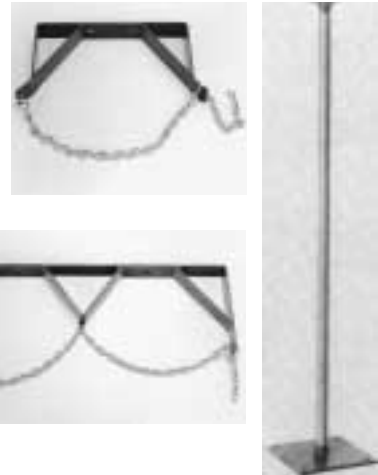


Part #	Model #	Gsa Service
1116-0038	FB-2A	ACETYLENE
1116-0039	FB-2LPG	LPG
1116-0037	FB-S (Stand only)(1000)	ALL GASES
1116-0033	Pigtail-Dry Type	ACETYLENE
1116-0045	FB-1A	ACETYLENE
1116-0046	FB-1LPG	LPG
1116-0044	Stand (only)(300)	ALL GASES

WALL BRACKETS, FLOOR STANDS, AND MANIFOLD STANDS

Every Victor system comes equipped with mounting brackets so the system can be permanently mounted to a wall. In the event that wall mounting is not feasible, all Victor systems can be Floor Mounted via our Floor Stand. This stand fits all Victor Manifolds and one is recommended for every 4 cylinders. Just attach the mounting brackets included in the floor stand and you are ready to go.

Chaining or bracketing cylinders is required. Therefore, Victor provides the following wall mount brackets or stands for use with your manifold system. Available in single or double cylinder designs, chain included.



PART #	DESCRIPTION
1421-0045	SINGLE CYLINDER - WALL MOUNT - 9" wide - O ₂ & Inerts
1421-0046	SINGLE CYLINDER - WALL MOUNT - 13" wide - Acetylene & Fuel Gas
1421-0047	TWO CYLINDER - WALL MOUNT - 9" wide - O ₂ & Inerts
1421-0048	TWO CYLINDER - WALL MOUNT - 13" wide - Acetylene & Fuel Gas
1106-0024	ACETYLENE & FUEL GAS - MANIFOLD STAND 4'-7" TALL
1106-0025	OXYGEN & INERTS - MANIFOLD STAND 5'-1" TALL
1106-0016	MANIFOLD WALL MOUNT BRACKETS (1)

Gas Service Labels & Placards

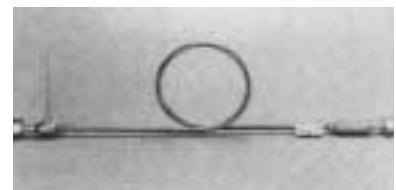
Safety in a manifold environment is Victor's number one concern. As a result we have made available the same labels that we use on our systems for use with your manifold and piping system. These labels allow all piping to be labeled with the gas service contained in the pipe or system.

PART #	DESCRIPTION	PART #	DESCRIPTION
1415-0356	OXYGEN	1415-0357	MAPP
1415-0363	ARGON	1415-0358	PROPANE
1415-0369	HELIUM	1415-0366	PROPELYNE BASED GAS
1415-0362	NITROGEN	1415-0359	NATURAL GAS
1415-0364	CARBON DIOXIDE	1415-0367	LP GAS (LPG)
1415-0368	BREATHING AIR	1415-0360	HYDROGEN
1415-0361	COMPRESSED AIR	1415-0371	ARGON-CO ₂
1415-0365	NITROUS OXIDE	1415-0372	HELIUM-ARGON-CO ₂
1415-0373	ACETYLENE	1415-0370	"DIRECTION ARROW" →

Pigtails

Replacement pigtails for Victor manifolds or applications requiring pigtails. Rigid copper and stainless steel braided flexible models available. FA= Dry Flash Arrestor included.

PART #	GAS SERVICE	LENGTH	TYPE	CHECK VALVE
1123-0020	320 CO ₂	24"	FLEXIBLE	YES
1123-0078	300 ACETYLENE	24"	FLEXIBLE	YES + FA
1123-0017	320 CARBON DIOXIDE	24"	FLEXIBLE	NO
1123-0594	326 NITROUS OXIDE	24"	RIGID	YES
1123-0596	346 BREATHING AIR	24"	FLEXIBLE	YES
1123-0016	350 HYDROGEN, METHANE	24"	RIGID	NO
1123-0597	350 HYDROGEN, METHANE	24"	RIGID	YES
1123-0009	510 ACETYLENE	24"	FLEXIBLE	YES + FA
1123-0008	510 ACETYLENE, LP GAS	24"	FLEXIBLE	YES
1123-0503	540 OXYGEN	24"	RIGID	NO
1123-0504	540 OXYGEN	24"	RIGID	YES
1123-0505	540 OXYGEN	36"	RIGID	YES
1123-0606	540 OXYGEN	24"	FLEXIBLE	YES
1123-0609	540 OXYGEN	36"	FLEXIBLE	YES
1123-0600	540 OXYGEN	48"	FLEXIBLE	NO
1123-0601	540 x1/4 NPTM OXYGEN	120"	FLEXIBLE	YES
1123-0013	580 INERT GAS	24"	FLEXIBLE	NO
1123-0599	580 INERT GAS	24"	FLEXIBLE	YES
1123-0506	580 INERT GAS	48"	FLEXIBLE	YES
1123-0507	580 HELIUM	24"	RIGID	YES
1123-0014	590 AIR	24"	FLEXIBLE	NO



VALVES



PART #	DESCRIPTION	INLET	OUTLET
1113-0003	GLOBE VALVE*	3/4" NPT(F)	3/4" NPT(F)
1114-0000	MODULAR VALVE - OXYGEN	CGA 540	1/2"NPT(M)
1114-0001	MODULAR VALVE - FUEL GAS	CGA 510	1/2"NPT(M)
1114-0006	STATION VALVE - FUEL GAS	1/2" NPT(M)	7/8"-14 LH
1114-0005	STATION VALVE - OXYGEN	1/2" NPT(M)	7/8"-14 RH
1114-0033	STATION VALVE - INERTS	1/2" NPT(M)	7/8"-14 RH
1114-0010	STATION VALVE - OXYGEN with cap chain, check valve	1/2" NPT(M)	7/8"-14 RH
1114-0011	STATION VALVE - FUEL GAS with chain, cap & check valve	1/2" NPT(M)	7/8"-14 LH
1115-0517	MASTER VALVE	1"- 11NPS RH(M)	1"-11"NPS RH(M)
1115-0515	MASTER VALVE	1/2 NPT(F)	1/2 NPT(F)
1190-0000	MASTER VALVE REPAIR KIT		

UNION FITTINGS & ADAPTORS

PART #	DESCRIPTION
0996-0018	ADAPTOR 3/4" NPT(M) X 1"-11" NPS RH *Use with 1113-0003
0996-0014	ADAPTOR 1/2" NPT(M) X 1"-11" NPS RH
0996-0020	ADAPTOR 1/4" NPT(M) X 1"-11" NPS RH
0997-0006	ADAPTOR 3/4" NPT(M) X 1"-11" NPS LH *Use with 1113-0003
0997-0007	ADAPTOR 1/2" NPT(M) X 1"-11" NPS LH
0997-0020	ADAPTOR 1/4" NPT(M) X 1"-11" NPS LH
0996-0004	NUT 1"-11-1/2" NPS RH (M) 996
0997-0004	NUT 1"-11-1/2" NPS LH (M) 997
1108-0580	PLUG - END PLUG
1108-0592	PLUG - END PLUG WITH 1/4" NPT(F) PORT FOR PRESSURE SWITCH
0996-0005	SWIVEL 1/2" NPT(M) X 996/997
0996-0022	SWIVEL 1/4" NPT(M) X 996
0996-0031	SWIVEL 1/4" NPT(M) X 997 (*special; 125 orifice for Hydrogen)

