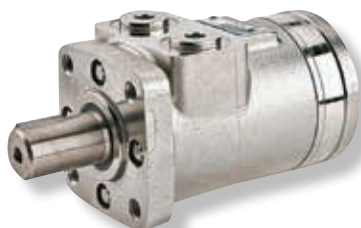


Retool and Repair with Confidence



Powering Business Worldwide



The Eaton[®] Advantage: Solutions for the Food Processing Industry

Faced with a menu of challenges driven by strict safety regulations, regulatory compliance, slim margins and increasing competition, you must find ways to reduce downtime and increase productivity while protecting your people and the safety of the consumers who buy your products.

Our solutions and expertise help you:

- Provide consistent, high-quality end products
- Optimize processes to lower total cost of ownership
- Keep personnel and consumers safe

Eaton offers your customers only the best:

- Our market knowledge enables us to offer solutions you may not have thought possible
- Expertise in regulations and required documentation
- One stop shop for power, motion, control, filtration and fluid power hydraulic solutions
- Custom solutions engineered to solve your unique challenges
- Heritage names like Char-Lynn[®], Aeroquip[®], Vickers[®], Synflex[®], Hansen/Gromelle[®], and Weatherhead[®]



Powering Business Worldwide

For more custom product information visit eatonpowersource.com

Food processing product guide

PowerSource® Web

Visit www.EatonPowerSource.com



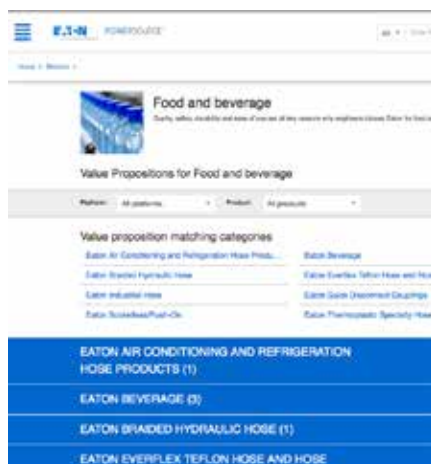
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Delivering modernized materials at the speed of business.

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Find local and regional Eaton product dealers.

Product Configurators

Generate customized bills of materials for hose assemblies, actuation, power and motion control products.

Food processing product guide

Product Overview

Fluid Conveyance

Fluid Conveyance

Eaton's hydraulic fluid conveyance hose, fittings and adapters offer flexible and proven solutions needed for retooling, maintenance, and repair of processing machinery or general facility upkeep. Count on Eaton's Weatherhead® and Aeroquip® hydraulic, industrial, PTFE, thermoplastic and silicone hoses for critical fluid compatibility applications.

	Page		Page
Protection and Plating Epoxy Coating and Nickel Plating Eaton DuraKote™ Plating Technology Aeroquip Hose Covers	4		
Eaton PowerSource Configurator Use Eaton PowerSource's Online Cylinder Pricing and CAD Configurator for quick access to drawings and pricing.	5		
Hydraulic Couplings Eaton quick-disconnect couplings maximize ease of use and system uptime in key hydraulic and pneumatic applications.	7		
Rubber Braided Hose Weatherhead® Diamond Advantage Aeroquip® Triple Crown One-wire, two-wire rubber and spiral hydraulic hoses are fundamental fluid conveyance solutions for various equipment and applications..	9		
Braided Hose Ends "Z" Series Hose Ends Over 550 "bite-the-wire" fitting styles, available in stainless steel or in carbon steel treated with Dura-Kote.	10		
Synflex® Thermoplastic Hose Synflex hose offers lightweight flexibility, durability, abrasion resistance, high pressure capability and extended product performance.	11		
Thermoplastic Hose Ends Compatible with "Z" Series hose ends when used with crimp sleeves, for simplified inventory and reduced investment.	11		
Polyethylene Tubing PT240 Polyethylene Tubing Economical, flexible, low density in natural off-white compound covered under 21CFR177.1520 regulations for food contact.	12		
Push>Connect Air Fittings Series 1100 Brass or Nickel Plated, up to 250 psi depending on tube size.	12		
Everflex® Smooth Bore Hose S-TW Series Use in environments where corrosion is an issue. Stainless braided Teflon hose has non-conductive Teflon inner tube with 1 or 2 layers of stainless steel wire braid.	13		
Everflex Hose Ends "E" Series One-piece "E" Series are permanently attached to Everflex smooth bore hoses using a crimping process.	13		
Adapters Steel and Stainless Steel Dry seal pipe threads (NPTF), carbon steel zinc plated or stainless steel, compact size, and broad selection of styles and sizes.	14		
Industrial Hose Quality, safety, durability and ease of use are all key reasons why engineers choose Eaton hose products for food and beverage transfer applications.	15		
Tooling Crimp Machines ET4020 and FT1380 Eaton's benchtop crimp machines crimps up to 1-1/4" (-20) braided and four-spiral wire hose.	16		





Food processing product guide

Product Overview

Power and Motion Control

Power and Motion Control

Eaton's power and motion control products are ideal when repairing, replacing or upgrading processing machines that form, fill, pack, convey or require precision movements. With a wide range of pumps, motors, valves, cylinders and filtration, count on Eaton to move at the speed of your business.

	Page		Page	
Filtration Hydraulic filtration Efficient filtration increases the life expectancy of system components, which both increases operating profitability and decreases maintenance costs.	16		Vane Pumps V10, V20, VMQ, Cartridge Kits Eaton fixed displacement vane pumps are an excellent choice for quiet operation and control of a broad range of mobile and industrial applications.	19
Power Units System Center PSSC All of Eaton's power units, motors, pumps, valves and cylinders are available with multiple options. Please consult your local representative and Eaton PowerSource for configuration details.	17		Variable Displacement Piston Pumps PVM and PVQ Variable speed drive pump solution generates power far more efficiently than conventional, fixed-speed pump systems. They also allow quieter operation, require less cooling and help extend the life of seals and hydraulic oil.	21
Cylinders Vickers® NZ, RE/RF Tie-Rod Cylinders This comprehensive line features a proven design coupled with the Eaton SureSeal™ system for improved performance and better service-ability. This line offers virtually unlimited options.	17		Directional Valves DG Directional Valves: DG4V-3 and DG5V DG valves provide 3- or 4-way control in a broad range of applications, by directing fluid flow to a cylinder or to control the direction of rotation of a hydraulic motor.	22
Motors J-Motor and H-Motor, S-Motor, 2,000, 4,000 and 6,000 Series Eaton's line of hydraulic motors is backed by decades of proven reliability and performance under the toughest conditions and in the harshest environments. Get total confidence with the efficiency, durability, safety and speed of affordably priced Eaton Gerotor/Geroler®, gear, piston and vane motors to fit a wide variety of applications ranging from Low-Speed, High-Torque (LSHT) to high-speed, high-power requirements.	18		SystemStak® Valves Compact hydraulic systems Modular valves that are "sandwich" mounted between a directional control valve and a standard mounting surface. Build a compact, cost-effective, reliable hydraulic system with Vickers® SystemStak valves.	24

Food processing product guide

Protecting your Equipment and your Investment:
Protection and Plating options

Full Body Nickel Plating

This option is available on H, S, T, 2000, 4000, 6000 motors

Eaton is offering full body nickel plating for Char-Lynn Motors for protection against wash down environments (Note: this does not offer protection against salt water environments and the recommended option for that is epoxy paint).



In order to meet the different requirements, Eaton is now offering two different nickel plating options shown below:

OPTION	DESCRIPTION	APPLICATIONS
Electroless Nickel Plating (AMS 2404D specification)	Premium process offering extremely high quality corrosion resistance	Where water contact is extremely high*
Electrolytic Nickel Plating (AMS-QQ-N-290 specification)	Good quality process offering standard corrosion resistance	Where water contact is minimal*

+ Washdown applications only – does not include salt water applications

Benefits:

- Protection in heavy and frequent washdown environments
- Single source plating at a competitive prices
- Warranty from Eaton on nickel plating

Applications:

- Food Processing: Industrial Conveyors

How to order:

Choosing the options in the model code

- H, S, T Motors - Choose Option Y in Paint/packaging options
- 2000, 4000, 6000 Series - Choose Option

Epoxy Paint Environmental Protection

This option is available on all Char-Lynn motors.

All motors are available with a corrosion resistant coating for use in hostile environments. The Char-Lynn line is also available with the output shaft plated, or with plated shaft and entire motor exterior coating.



(epoxy paint and plated shafts)

Benefits:

- This coating protects the motor from salt water and various chemicals
- Motor output shaft plating helps eliminate seal damage caused by caustic or acidic materials

Applications:

- Food processing
- Cleansing

Aeroquip Hose

There is nothing quite like it!

Eaton's Aeroquip family of hose is scientifically superior to any hose on the market today. Materially different, Aeroquip hose is constructed with elastomeric materials.

An Eaton team of chemists and engineers made a major breakthrough with the development of Aeroquip hose. Thousands of compounds were developed and discarded to reach the discovery of the scientifically superior Aeroquip elastomeric material. Years of laboratory testing and in-the-field performance verification have proven its unique superiority.



Aeroquip Hose Features:

- Long-lasting service
- Extreme temperature range
- Fluid compatibility
- Versatility
- Reduces inventory
- Practically nonexistent shelf aging

Find out more about

Aeroquip hose technology: A-HOOV-MC001-E or go to: www.EatonPowerSource.com

Food processing product guide

Protection and Plating and CAD Configurator

Dura-Kote™ Plating Technology

Corrosion resistance is a necessity on nearly every application of hydraulic fluid conveyance products. Unplated carbon steel fluid conveyance products can begin rusting within hours of exposure to the elements. Dura-Kote Plating Technology, delivers significantly higher level of corrosion resistance on carbon steel fluid conveyance products.

Eaton fluid conveyance components with Dura-Kote plating technology are rated up to 1,000 hours of corrosion resistance.

No other standard carbon steel fluid conveyance products can top the performance of Eaton fluid conveyance products with Dura-Kote plating technology.



Find out more

Dura-Kote Plating Technology: E-HYOV-BB009-E or go to www.eaton.com

Corrosion Resistance

Two kinds of rust threaten the integrity of your carbon steel fluid conveyance products: White rust, which is oxidation of the outer zinc layer. And red rust, which is oxidation of the steel itself.

Beyond the obvious replacement costs, lost production and equipment downtime caused by clearly red-rusted components, the presence of rust can make perfectly functional equipment look like it needs maintenance. Poor appearance often forces companies to replace components that have years of life left, adding unnecessary costs to maintenance. And many companies routinely paint hydraulic components to delay rusting.



Corrosion of current carbon steel adapters after 650 hours of exposure to salt spray testing.



Selection and Use

It's good to understand where and why cylinders are used.

- Typically, industrial cylinders can be found in manufacturing, metals processing, oil and gas, and renewable energy. Cylinders are used for stabilizing oil rigs in ocean water, rotating the turbine blades on a wind turbine, and regulating water flow of a hydro-electric dam.
- When choosing cylinders, there are a few key selection criteria to keep in mind: operating pressure, force requirements, bore size and rod diameter, stroke, mounting, environmental conditions, speed, operating fluid, and port and rod end connections.

The Online Cylinder Pricing and CAD Configurator www.Eaton.com/cylinderconfig

The Online Cylinder Pricing and CAD Configurator

The Online Cylinder Pricing and CAD Configurator is a configuration tool designed to help equipment manufacturers and distributors create model codes, list prices, and CAD drawings for our cylinder products. You can download the exact product model needed from more than 150 CAD and graphic formats, including native formats in Autodesk® Inventor™, SolidWorks®, CATIA® and many more. These on-demand capabilities eliminate the wait for CAD drawings and cylinder quotations.

This user-friendly tool delivers quick access to CAD drawings and list prices to meet distributor needs whether behind the desk or on the go. Our mobile device compatibility feature lets you to configure a cylinder while sitting in a meeting with a customer. It provides you with online immediate access to:

- List Pricing (Distributor feature only)
- Typical Lead-times
- 2D & 3D Drawings
- PDF Datasheets
- Application Guides
- Calculation Tools
- IOS and Android Mobile Device Compatibility



Food processing product guide

Custom and Express Delivery Programs

Vane Express Program – Next-Day Delivery

Eaton offers the most complete line of Vane Pumps for industrial and mobile applications. Now, a wide range of our most popular V10 and V20 Vane Pumps, as well as V and VQ cartridge kits, are offered with our Eaton Express Next-Day delivery program.

Email Express orders directly to Express@Eaton.com, or contact your Eaton Customer Service Representative for assistance at (888)258-0222.

Eaton's Vane Pump Express Program Guidelines

- All Express orders received by 12:00pm CST will ship from Eaton's facility on the next business day.
- Standard service parts and kits are also available for Express delivery.
- Eaton standard warranty applies to all Vane products shipped with Express Delivery program.
- Max. order quantity of three per part number per ship-to address.
- Drop shipping available for fastest delivery. FOB Greenwood, SC.
- An 8% express fee will be applied for each part number and invoiced as a separate line.

Cylinder Express Program – Three-Day Delivery

Eaton offers the world's broadest line of industrial Hydraulic, Pneumatic, and Electro-Hydraulic cylinders. And now a wide range of Vickers® standard, tie-rod Hydraulic and Pneumatic cylinders are offered with Three-Day Express shipment.

Email Express orders directly to Express@Eaton.com, or contact your Eaton Customer Service Representative for assistance at (888)258-0222.

Eaton Express Cylinder Shipment Program Guidelines

- All Express orders received by 12:00pm CST will ship from Eaton's facility by the end of the third day after order receipt.
- Eaton standard warranty applies to all cylinders shipped with Express shipment program.
- Maximum order quantity of five per model code, per ship-to address.
- The Express shipment program only applies to standard cataloged products within the scope of the offering listed in the table attached. The Express shipment offering is subject to change in the future.
- Express orders must be on a separate order from non-Express items.
- All orders must be drop shipped to the end-customer's location. Orders will not be shipped to U.S. distributor locations under this program. Exceptions will be made for shipments to Canada and Mexico only.
- No premium charge, standard distributor discounts apply. No special pricing or customer price approvals will be honored on three day shipments.

Eaton reserves the right to refuse any order due to temporary inability to deliver. Valid customer ship-to information and routing instructions are required at the time of order placement, or previously established within the Eaton order entry system.



For more information on the Vane Express Delivery Program see literature E-PUID-BB001-E2.



For more information
- Go to Eaton PowerSource, Cylinders
- Go to www.eaton.com/Eaton/ProductsServices/Hydraulics/Cylinders
- Literature: E-CYNC-BB002-E

Food processing product guide

Hydraulic Couplings

Eaton combines technology of brands Aeroquip and Hansen Gromelle.

H5000 Series



Preferred when it comes to severe hydraulic applications such as high pressure, pressure impulses, heavy mechanical loads and frequent connection and disconnection cycles.

HA Steel

HA Female Socket	HA Male Plug	Body Size	Thread Size* (Female)
NBR*		(in)	NPT
HA0520100	HA0520200	1/8	1/8-27
HA0521100	HA0521200	1/4	1/4-18
HA0522100	HA0522200	3/8	3/8-18
HA0523100	HA0523200	1/2	1/2-14
HA0524100	HA0524200	3/4	3/4-14
HA0525100	HA0525200	1	1-11 1/2

Body sizes 1 1/4, 1 1/2 and 2 are supplied with FKM seals as a standard. Alternative end connections available upon request.

HZ Stainless Steel

HZ Female Socket	HZ Male Plug	Body Size	Thread Size* (Female)
NBR	FKM	(in)	NPT
HZ05201V0	HZ05202V0	1/8	1/8-27
HZ05211V0	HZ05212V0	1/4	1/4-18
HZ05221V0	HZ05222V0	3/8	3/8-18
HZ05231V0	HZ05232V0	1/2	1/2-14
HZ05241V0	HZ05242V0	3/4	3/4-14
HZ05251V0	HZ05252V0	1	1-11 1/2

Alternative end connections available upon request.

HK Series

ISO 7241-1 B Interchange



A general purpose Industrial Interchange coupling available in valved or non-valved designs, featuring a ball latch mechanism with automatic self-sealing poppet valves.

HK 1-8 Series Steel

Female Socket	Male Plugs	Body Size	Thread Size (Female)
NPTF		(in)	NPTF
1H11	1K11	1/8	1/8-27
2H16	2K16	1/4	1/4-18
3H21	3K21	3/8	3/8-18
4HP26	4KP26	1/2	1/2-14
6HP31	6KP31	3/4	3/4-14
8HP36	8KP36	1	1-11 1/2

HK 1-8 Series 303 Stainless Steel

Female Socket	Male Plugs	Body Size	Thread Size (Female)
NPTF		(in)	NPTF
LL2H16	LL2K16	1/4	1/4-18
LL3H21	LL3K21	3/8	3/8-18
LL4HP26	LL4KP26	1/2	1/2-14
LL6HP31	LL6KP31	3/4	3/4-14
LL8HP36	LL8KP36	1	1-11 1/2
8HP36	8KP36	1	1-11 1/2

CC Series



Provides unrestricted air flow, safety, efficiency, and extreme durability all in one pneumatic coupling. For general pneumatics and air tools.

Female NPTF

Female Socket	Body Size	Thread Size
NPTF	(in)	NPTF
2CC25F	1/4	1/4
2CC37F	1/4	3/8
3CC25F	3/8	1/4
3CC37F	3/8	3/8
3CC50F	3/8	1/2
24CC25F	1/4	1/4
24CC37F	1/4	3/8

5600 Series

ISO 7241-1 A Interchange



5600 Series features a rugged ball latch mechanism with self-sealing poppet valves in a wide array of port configurations and multiple valved and non-valved configurations.

5600 Series Steel

Female Socket	Male Plugs	Body Size	Thread Size (Female)
NPT		(in)	NPT
5602-8-10S	5601-8-10S	5/8	1/2-14
5602-12-12S	5601-12-12S	3/4	3/4-14
5602-16-16S	5601-16-16S	1	1-11 1/2

5600 Series Stainless Steel

Female Socket	Male Plugs	Body Size	Thread Size (Female)
NPTF		(in)	NPTF
560024-8-10	560049-8-10	5/8	1/2-14
560024-12-12	560049-12-12	3/4	3/4-14
560024-16-16	560049-16-16	1	1-11 1/2

For more information go to Eaton Quick Disconnect Couplings Master Catalog E-MEQD-CC001-E7

Food processing product guide

Hydraulic Couplings

Eaton combines technology of brands Aeroquip and Hansen Gromelle.

1000 Series



An Industrial Interchange pneumatic coupling that is rugged and reliable designed for use with compressed air, gases, and liquids.

Male NPTF Connections

Female Socket	Port Size	Thread Size	Male Plug	Port Size	Thread Size
NPTF	(in)	NPT	NPTF	(in)	NPT
900	1/8	1/8-27	10	1/4	1/8-27
1100	1/4	1/4-18	10G†	1/4	1/4-18
1300	3/8	3/8-18	12E	1/8	3/8-18
LL1100	1/4	1/4-18	12G†	1/8	1/4-18
			14	3/8	3/8-18
			14G†	3/8	3/8-18
			B10	1/4	1/4-18
			LL10	1/4	1/4-18
			10NK*	1/4	1/4-18

Female NPTF Connections

Female Socket	Port Size	Thread Size	Male Plug	Port Size	Thread Size
NPTF	(in)	NPT	NPTF	(in)	NPT
800E	1/8	1/8-27	11	1/4	1/4-18
1000E	1/4	1/4-18	11G†	1/4	1/4-18
1200	3/8	3/8-18	13	1/8	1/8-27
LL1000	1/4	1/4-18	15E	3/8	3/8-18
			11B	1/4	1/4-18
			LL11	1/4	1/4-18
			11NK*	1/4	1/4-18

†with Bleeder Ball Check—
Reduces hose whip
*Nickel plated
"LL" prefix designates stainless steel

Safeline Series



An Industrial Interchange pneumatic coupling with push button safety feature designed for use with compressed air.

Two-step disconnect procedure shuts off air supply and releases downstream air pressure before plug can be removed from socket/female, which prevents hose whip.

Male End Connections

Socket/Female	Port Size	Thread
	(in)	NPT
GD1053641	1/4	1/4
GD1053683	3/8	3/8

Female End Connections

Socket/Female	Port Size	Thread Size
	(in)	NPT
GD1052641	1/4	1/4
GD1052683	3/8	3/8

Hose Stem End Connections

Socket/Female	Body Size	Hose I.D.
	(in)	NPT
GD1055601	1/4	3/8

Accepts 1/4" ISO 6150 Series B and A-A-59439 plugs/males, and accepts all US Industrial plugs/males

400 Series



An Industrial Interchange pneumatic coupling that is rugged and reliable designed for use with compressed air, gases, and liquids.

Male NPTF Connections

Female Socket	Port Size	Thread Size	Male Plug	Port Size	Thread Size
NPTF	(in)	NPT	NPTF	(in)	NPT
410	1/4	1/4-18	38	1/8	1/8-27
430	3/8	3/8-18	40	1/4	1/4-18
450	3/8	1/2-14	40NK*	1/4	1/4-18
			40G†	1/4	1/4-18
			42	3/8	3/8-18
			42G†	3/8	3/8-18
			B40	1/4	1/4-18
			B42	3/8	3/8-18
			31AP25M	1/4	1/4-18
			31AP37M	3/8	3/8-18

†with Bleeder Ball Check—
Reduces hose whip
*Nickel plated

Female NPTF Connections

Female Socket	Port Size	Thread Size	Male Plug	Port Size	Thread Size
NPTF	(in)	NPT	NPTF	(in)	NPT
400	1/4	1/4-18	41	1/4	1/4-18
420	3/8	3/8-18	41NK*	1/4	1/4-18
440	1/2	1/2-14	41G†	1/4	1/4-18
B43	3/8	3/8-18	43	3/8	3/8-18
			43G†	1/4	3/8-18
			45E	1/2	1/2-14
			31AP25F	1/4	1/4-18
			31AP37F	3/8	3/8-18
			31AP25M	1/4	1/4-18
			31AP37M	3/8	3/8-18

†with Bleeder Ball Check—
Reduces hose whip
*Nickel plated

For more information go to Eaton Quick Disconnect Couplings Master Catalog E-MEQD-CC001-E7

Food processing product guide

Rubber Braided Hose

GOOD

Rubber Braided

H245 High Pressure Hydraulic Hose

SAE 100R16, ABS

Nitrile blend inner, Neoprene cover
Reinforcement: 2 Steel Braids
Temp. Range: -40°C to +100°C
(-40°F to +212°F)
Generic hydraulic fluids and diesel fuel high pressure applications.

[Hose Length Example H24504, H24504-250R, H24504-500R](#)
[Compatible Hose Ends: C-O-C: "S", "U", 430 "U" and "Z" Series](#)



Part #	I.D.	Working Press
H24504	1/4	5,000 psi
H24506	3/8	4,000 psi
H24508	1/2	3,500 psi
H24510	5/8	2,750 psi
H24512	3/4	2,250 psi
H24516	1	2,000 psi
H24520	1-1/4	1,625 psi

BETTER

Premium High Performance Hoses

Meets or Exceeds 100R16S, Meets or Exceeds 100R2S 2-Braid
Provides 10x better abrasion resistance than standard. Rated to 260°F, vs. 212°F,
Pressure ratings avg 30% more than standard and competitive hoses.
Cover is Salt Spray, Chemical Washdown, and Animal Fat Resistant

GH781 MATCHMATE™ Global

Meets or exceeds: SAE 100R16 Type S, EN857 2SC, ISO 11237-1 Type 2SC

Synthetic rubber tube, double wire braid reinforcement and DURA-TUFF™ synthetic rubber cover.

Temp. Range: -46°C to +127°C
(-50°F to +260°F)

[Hose Length Example: H28004-250R, H28004-500R](#)

[Compatible Hose Ends: TTC, Skive Nipple, Socket Data](#)



Part #	I.D.	Working Press
GH781-4	1/4	6,500 psi
GH781-6	3/8	5,300 psi
GH781-8	1/2	4,500 psi
GH781-10	5/8	4,500 psi
GH781-12	3/4	3,500 psi
GH781-16	1	3,000 psi
GH781-20	1-1/4	2,500 psi

H280 WeatherSHIELD™

Meets and exceeds SAE 100R16 Type S, EN857 2SC, ISO 11237-1 Type 2SC performance

Inner Tube: Synthetic rubber tube
Reinforcement: 2 Steel Braids
Cover: WeatherSHIELD Synthetic rubber cover
Temp. Range: -40°C to +127°C
(-40°F to +260°F)

[Hose Length Example: H28004-250R, H28004-500R](#)

[Compatible Hose Ends: "Z" Series](#)



Part #	I.D.	Working Press
H28004	1/4	6,500 psi
H28006	3/8	5,300 psi
H28008	1/2	4,500 psi
H28010	5/8	4,500 psi
H28012	3/4	3,500 psi
H28016	1	3,000 psi
H28020	1-1/4	2,500 psi

BEST

Ultra Abrasion Hose

FC735 Bruiser

SAE 100R16 Type S, EN 857 2SC, ISO 11237-1 Type 2SC

Synthetic rubber tube inner, UHMW cover
Reinforcement: 1 or 2 wires braid
Temp. Range: -40°C to +100°C
(-40°F to +212°F)

High abrasion applications. Hydraulic system service with petroleum and water-base fluids, for general industrial service.

[Hose Length Example: FC735-04, FC735-04RL](#)

[Compatible Hose Ends: TTC, Skive Nipple, Socket Data](#)



Part #	I.D.	Working Press
FC735-04	1/4	5,000 psi
FC735-06	3/8	5,000 psi
FC735-08	1/2	4,275 psi
FC735-10	5/8	3,650 psi
FC735-12	3/4	3,125 psi
FC735-16	1	2,550 psi
FC735-20	1-1/4	2,550 psi

Premium Plus High Temperature Hose

Meets or exceeds 100R2S, 2-Braid
Provides 10x better abrasion resistance than standard. Rated to 300°F, vs. 212°F.
Pressure ratings avg 30% more than standard and competitive hoses. Deemed as the only "Chicken Blood Resistant" hose in the market place.

GH195 HI-IMPULSE® MATCHMATE

Meets or exceeds: SAE 100R2AT Type S, EN853 2SN ISO 1436-1 Type 2SN

AQP elastomer tube, double wire braid reinforcement and blue AQP elastomer cover.
Temp. Range: -40°C to +150°C
(-40°F to +302°F)

[Hose Length Example: GH195-4, GH195-4RL](#)

[Compatible Hose Ends: TTC, Skive Nipple, Socket Data](#)



Part #	I.D.	Working Press
GH195-4	1/4	5,800psi
GH195-6	3/8	5,000 psi
GH195-8	1/2	4,250 psi
GH195-10	5/8	3,250 psi
GH195-12	3/4	3,000 psi
GH195-16	1	2,500 psi
GH195-20	1-1/4	2,250 psi

H145R RhinoHide II

SAE 100R17

Inner Tube: Nitrile Reinforcement: 4-8 Size: 1 Steel Braid; 10-16 Size: 2 Steel Braids
Cover: Abrasion resistant UHMWPE
Temp. Range: -40°C to +100°C
(-40°F to +212°F)

High abrasion applications. 3,000 PSI constant working pressure hose with abrasion resistant cover.

[Hose Length Example: H145R06, H145R06-250R, H145R06-500R](#)

[Compatible Hose Ends: "Z" Series](#)



Part #	I.D.	Working Press
H145R04	1/4	3,000 psi
H145R06	3/8	3,000 psi
H145R08	1/2	3,000 psi
H145R010	5/8	3,000 psi
H145R012	3/4	3,000 psi
H145R016	1	3,000 psi

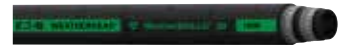
H290H WeatherBLAZE™

Meets or exceeds 100R2, EN 853, Type 2SN

Inner Tube: CPE Reinforcement: 2 Steel braids
Cover: CPE black
Temp. Range: -40°C to +150°C
(-40°F to +302°F)

[Hose Length Example: H290H04, H290H04-250R](#)

[Compatible Hose Ends: "Z" Series](#)



Part #	I.D.	Working Press
H290H04	1/4	5,800psi
H290H06	3/8	5,000 psi
H290H08	1/2	4,250 psi
H290H10	5/8	3,250 psi
H290H12	3/4	3,000 psi
H290H16	1	2,500 psi
H290H20	1-1/4	2,250 psi

Food processing product guide

"Z" Series Hose Ends: DuraKote® and Stainless Steel

"Z" Series hose ends

- Advanced "Bite-the-Wire" design provides higher operating and burst pressure
- Class-zero leakage per SAE J1176
- Flat crimp for easier routing
- Compatible with multiple hose styles to accommodate most application needs



Advanced
"Bite-the-Wire"
technology

Aeroquip®

Male Pipe

Aeroquip Dura-Kote	Aeroquip Stainless
Male Pipe	
1AA4MP4	1AA4MP4C
1AA6MP6	1AA6MP6C
1AA8MP8	1AA8MP8C
1AA12MP12	1AA12MP12C
1AA16MP16	1AA16MP16C

Weatherhead®

Male Pipe

Weatherhead Dura-Kote	Weatherhead Stainless
Male Pipe	
04Z-104	04ZR-104
06Z-106	06ZR-106
08Z-108	08ZR-108
12Z-112	12ZR-112
16Z-116	16ZR-116



Male Pipe

Female JIC

Aeroquip Dura-Kote	Aeroquip Stainless
Female JIC	
1AA4FJ4	1AA4FJ4C
1AA6FJ4	1AA6FJ4C
1AA6FJ6	1AA6FJ6C
1AA8FJ6	1AA8FJ6C
1AA8FJ8	1AA8FJ8C
1AA10FJ8	1AA10FJ8C
1AA10FJ10	1AA10FJ10C
1AA12FJ12	1AA12FJ12C
1AA16FJ16	1AA16FJ16C

Female JIC

Weatherhead Dura-Kote	Weatherhead Stainless
Female JIC	
04Z-604	04ZR-604
04Z-606	04ZR-606
06Z-606	06ZR-606
06Z-608	06ZR-608
08Z-608	08ZR-608
08Z-610	08ZR-610
10Z-610	10ZR-610
12Z-612	12ZR-612
16Z-616	16ZR-616



Female JIC

Female JIC 90

Aeroquip Dura-Kote
Female JIC 90
1AA4FJB4
1AA6FJB4
1AA6FJB6
1AA8FJB6
1AA8FJB8
1AA10FJB8
1AA10FJB10
1AA12FJB12
1AA16FJB16

Female JIC 90

Weatherhead Dura-Kote
Female JIC 90
04Z-664
04Z-666
06Z-666
06Z-668
08Z-668
08Z-670
10Z-670
12Z-672
16Z-676



Female JIC 90

Female ORS

Aeroquip Dura-Kote
Female ORS
1AA4FR4
1AA6FR4
1AA6FR6
1AA8FR6
1AA8FR8
1AA12FR12
1AA16FR16

Female ORS

Weatherhead Dura-Kote
Female ORS
04Z-S64
04Z-S66
06Z-S66
06Z-S68
08Z-S68
12Z-S72
16Z-S76



Female FOR-SEAL Swivel Straight

Female ORS 90

Aeroquip Dura-Kote
Female ORS 90
1AA4FRB4
1AA6FRB6
1AA8FRB8
1AA12FRB12
1AA16FRB16

Female ORS 90

Weatherhead Dura-Kote
Female ORS 90
04Z-A24
06Z-A26
08Z-A28
12Z-A32
16Z-A36



Female FOR-SEAL Swivel Short Drop 90° Tube Elbow

Food processing product guide

Thermoplastic Hose and Hose Ends



Synflex® Thermoplastic Hose

Eaton Synflex is well known brand in the industry for pressures that resemble rubber hydraulic hoses without the weight and steel reinforcement of rubber hoses. Nylon tube and thermoplastic covers are highly compatible with fluids and easy to washdown/wipe debris from.



3740 Medium Pressure Hose, Non-Conductive

Meets or exceeds SAE 100R7

Tube: Nylon-lined
Reinforcement: Braided synthetic fiber
Cover: Orange non-perforated polyurethane

Temp. Range: -40°C to +100°C (-40°F to +212°F)
General hydraulic systems that may contact high voltage sources.
Compatible Hose Ends: 903, 90A, TTC with Crimp Sleeve, "Z" Series with Crimp Sleeve, "U" Series



Part #	I.D.	Working Press
Non-Perforated		
3740-04	1/4	2,800 psi
3740-06	3/8	2,300 psi
3740-08	1/2	2,050 psi
3740-12	3/4	1,250 psi
3740-16	1	1,000 psi

3E80 High Pressure Hose, Non-Conductive

Meets or exceeds SAE 100R8

Tube: Nylon
Reinforcement: Braided synthetic fiber
Cover: Orange non-perforated polyurethane

Temp. Range: -40°C to +100°C (-40°F to +212°F)
General hydraulic systems that may contact high voltage sources.
Compatible Hose Ends: 90H, 336, 90L, TTC with Crimp Sleeve, "Z" Series with Crimp Sleeve, "U" Series



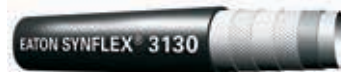
Part #	I.D.	Working Press
Non-Perforated		
3E80-04	1/4	5,100 psi
3E80-06	3/8	4,050 psi
3E80-08	1/2	3,550 psi
3E80-12	3/4	2,300 psi
3E80-16	1	2,050 psi

3130 Medium Pressure Hose

Meets or exceeds SAE 100R7

Tube: Nylon-lined
Reinforcement: Spiral or braided synthetic fiber
Cover: Black perforated polyurethane

Temp. Range: -40°C to +100°C (-40°F to +212°F)
General hydraulic systems that may contact high voltage sources.
Compatible Hose Ends: 903, 90A, TTC with Crimp Sleeve, "Z" Series with Crimp Sleeve, "U" Series



Part #	I.D.	Working Press
Non-Perforated		
3130-04	1/4	3,000 psi
3130-06	3/8	2,250 psi
3130-08	1/2	2,000 psi
3130-12	3/4	1,250 psi
3130-16	1	1,000 psi

3R80 High Pressure Hose

Meets or exceeds SAE 100R8

Tube: Nylon
Reinforcement: Braided synthetic fiber
Cover: Black perforated polyurethane

Temp. Range: -40°C to +100°C (-40°F to +212°F)
High pressure transfer
Compatible Hose Ends: 90H, 336, 90L, TTC with Crimp Sleeve, "Z" Series with Crimp Sleeve, "U" Series



Part #	I.D.	Working Press
Non-Perforated		
3R80-04	1/4	5,100 psi
3R80-06	3/8	4,050 psi
3R80-08	1/2	3,550 psi
3R80-12	3/4	2,300 psi
3R80-16	1	2,050 psi

Thermoplastic Hose Ends

"U" Series and "Z" Series



"U" Series Fittings

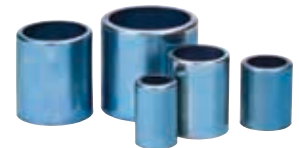


"Z" Series Fittings

Most Thermoplastic Hoses can be used with Eaton "Z" Series hose ends by utilizing crimp sleeve.

Crimp Sleeves

Crimp Sleeves provide corrosion protection and visual indication of use once crimped.



Crimp Sleeves

FF91064-04S
FF91064-06S
FF91064-08S
FF91064-12S
FF91064-16S

Food processing product guide

Polyethylene Tubing and Push>Connect Fittings

Polyethylene Pneumatic Tubing

PT240 Polyethylene Tubing

Meets FDA for food contact, covered under 21CFR177.1520 regulations for food contact.



Available Colors: Natural off-white (NA), black (BK), yellow (YW), orange (OR), blue (BU), red (RD), green (GN)

For more information: E-BRFI-MC001-E5

Temperature Range: -40°F to +135°F, (-40°C to +57°C)

Connectors: Minibarb, Polyline, SelfAlign, Compression, Push>Connect, Molded Compression

Part Number	Tube O.D.	Working Press@70°
PT24004	1/4"	200 psi
PT24044	1/4"	133 psi
PT24005	5/16"	135 psi
PT24006	3/8"	135 psi
PT24008	1/2"	100 psi
PT24010	5/8"	80 psi
PT24012	3/4"	70 psi
PT24016	1"	100 psi



1100 Series Push>Connect Air Fitting

Designed for quick assembly without the need for a wrench.

Brass, Nickel Plated, up to 250 psi depending on tube size.
Temperature Range: 0°F to +160°F (-17.8°C to +71°C)

1162 Union

Number	Tube O.D.
1162x2	1/8
1162x2.5	5/32
1162x4	1/4
1162x5	5/16
1162x6	3/8
1162x8	1/2



1168 Male Connector

Number	Tube O.D.	Male Pipe Thread
1168x2	1/8	1/8
1168x2x4	1/8	1/4
1168x2.5	5/32	1/8
1168x2.5x4	5/32	1/4
1168x4	1/4	1/8
1168x4x4	1/4	1/4
1168x4x6	1/4	3/8
1168x5	5/16	1/8
1168x5x4	5/16	1/4
1168x5x6	5/16	3/8
1168x6x2	3/8	1/8
1168x6	3/8	1/4
1168x6x6	3/8	3/8
1168x6x8	3/8	1/2
1168x8	1/2	3/8
1168x8x8	1/2	1/2



1164 Union

Number	Tube O.D.
1164x2	1/8
1164x2.5	5/32
1164x4	1/4
1164x5	5/16
1164x6	3/8
1164x8	1/2



1169 Male Elbow

Number	Tube O.D.	Male Pipe
1169x4	1/4	1/8
1169x4x4	1/4	1/4
1169x6	3/8	1/4
1169x6x6	3/8	3/8



1171 Male Run Tee Swivel

Number	Tube O.D.	Male Pipe Thread
1171x2AS	1/8	10-32*
1171x2S	1/8	1/8
1171x2.5AS	5/32	10-32*
1171x2.5S	5/32	1/8
1171x2.5x4S	5/32	1/4
1171x4S	1/4	1/8
1171x4x4S	1/4	1/4
1171x4x6S	1/4	3/8
1171x6S	3/8	1/4
1171x6x6S	3/8	3/8
1171x6x8S	3/8	1/2
1171x8x4S	1/2	1/4
1171x8S	1/2	3/8
1171x8x8S	1/2	1/2



Swivel for installation purposes only.

*UNF Thread. Seals with nylon washer (included).

1172 Male Branch Tee Swivel

Number	Tube O.D.	Male Pipe Thread
1172x2AS	1/8	10-32*
1172x2S	1/8	1/8
1172x2.5AS	5/32	10-32*
1172x2.5S	5/32	1/8
1172x2.5x4S	5/32	1/4
1172x4S	1/4	1/8
1172x4x4S	1/4	1/4
1172x4x6S	1/4	3/8
1172x6S	3/8	1/4
1172x6x6S	3/8	3/8
1172x6x8S	3/8	1/2
1172x8x4S	1/2	1/4
1172x8S	1/2	3/8
1172x8x8S	1/2	1/2



Swivel for installation purposes only.

*UNF Thread. Seals with nylon washer (included).

For more information on Push>Connect fittings refer to E-BRFI-MC001-E4

Food processing product guide

Everflex Smooth Bore Hose and E-Series Hose Ends



S-TW Series Everflex® Smooth Bore Non-Dissipating Hose

Stainless Braided Teflon



Temperature Range: -54°C to +230°C, (-65°F to +450°F)

Compatible Hose Ends: Everswage, Field Attachable, E-Series/ER-Series

S-TW Series

Part#	Hose I.D. in.	Hose O.D. in.	Working Press.
S-4TW	0.19	.32	3,000 psi
S-5TW	0.25	.40	3,000 psi
S-6TW	0.31	.46	2,500 psi
S-7TW	0.38	.53	2,000 psi
S-8TW	0.41	.56	2,000 psi
S-10TW	0.50	.66	1,750 psi
S-12TW	0.62	.79	1,500 psi
S-14TW	0.75	.92	1,000 psi
S-182TW	1.00	1.24	1,000 psi



For more information: Everflex Hose and Fittings Catalog E-HOEV-MC001-E5
Teflon is registered trademark of DuPont®

E-Series Crimp Hose Ends

For use with Everflex Hoses S-TW and SC-TW

E-Series crimp hose ends are permanently attached to Everflex smooth bore hoses using a crimping process. These one-piece hose ends eliminate the need for handling inserts and collars separately which reduces assembly fabrication time. The wide variety of carbon steel end configurations open opportunities in applications where hose assembly routing space is limited.

For more information refer to E-HOEV-MC001-E5.

WARNING: Selection of the proper end fitting for the hose end application is essential to the proper operation and safe use of the hose and related equipment. Inadequate attention to the selection of the end fittings for your application can result in leaking or the hose end blowing off the hose, leading to serious personal injury, death or property damage.



SAE 37° (JIC) Female Swivel 90° Tube Elbow

Part No.	Hose I.D.	Tube Size	Thread Size
04E-664 ¹	1/4	1/4	7/16-20
04E-665 ¹	1/4	5/16	1/2-20
05E-665 ¹	5/16	5/16	1/2-20
05E-666 ³	5/16	3/8	9/16-18
06E-466 ³	3/8	3/8	5/8-18
06E-666 ³	3/8	3/8	9/16-18
06E-668 ¹	3/8	1/2	3/4-16
08E-668 ¹	1/2	1/2	3/4-16
08E-670 ¹	1/2	5/8	7/8-14
12E-672 ³	3/4	3/4	1-1/16-12
16E-676 ³	1	1	1-5/16-12

1 - Swivel nuts are universal- Both SAE 45° and JIC 37° connections

2 - SAE 45° Flare connection only

3 - JIC 37° Flare connection only



Male Pipe Rigid (NPT)

Carbon Steel No.	Stainless Steel No.	Hose I.D.	Tube Size	Thread Size
03E-102		3/16	1/8	1/8-27
03E-104	03ER-104	3/16	1/4	1/4-18
04E-102		1/4	1/8	1/8-27
04E-104		1/4	1/4	1/4-18
04E-106		1/4	3/8	3/8-18
05E-104	05ER-104	5/16	1/4	1/4-18
05E-106		5/16	3/8	3/8-18
06E-104		3/8	1/4	1/4-18
06E-106		3/8	3/8	3/8-18
06E-108		3/8	1/2	1/2-14
07E-106	07ER-106	13/32	3/8	3/8-18
08E-106		1/2	3/8	3/8-18
08E-108	08ER-108	1/2	1/2	1/2-14
10E-112	10ER-112	5/8	3/4	3/4-14
12E-112		3/4	3/4	3/4-14
14E-116	14ER-116	7/8	1	1-11/12
16E-116		1	1	1-11/12

SAE 37° (JIC) Female Swivel

Carbon Steel No.	Stainless Steel No.	Hose I.D.	Tube Size	Thread Size
03E-604 ¹	03ER-604	3/16	1/4	7/16-20
04E-604 ¹		1/4	1/4	7/16-20
04E-605 ¹		1/4	5/16	1/2-20
04E-606 ¹		1/4	3/8	9/16-18
05E-605 ¹		5/16	5/16	1/2-20
05E-406 ²		5/16	3/8	5/8-18
05E-606 ³	05ER-606	5/16	3/8	9/16-18
06E-406 ²		3/8	3/8	5/8-18
06E-606 ³		3/8	3/8	9/16-18
06E-608 ¹		3/8	1/2	3/4-16
07E-606	07ER-606	13/13	3/8	9/16-18
08E-608 ¹	08ER-608	1/2	1/2	3/4-16
08E-610 ¹		1/2	5/8	7/8-14
10E-612	10ER-612	5/8	3/4	1-1/16-12
12E-412 ²		3/4	3/4	1-1/16-14
12E-612 ³		7/8	3/4	1-1/16-12
14E-616	14ER-616	7/8	1	1-5/16-12
16E-616 ³		1	1	1-5/16-12

Food processing product guide

Hydraulic Adapters in Steel and Stainless Steel



Adapters

Steel Adapters – are precision machined from AISI 12L14 carbon steel

Shaped Adapters – are made from high-density forgings. (such as elbows and tees with a “C” prefix)

Straight Adapters – are made from bar stock

Stainless Steel Adapters – are made from type 316 stainless

Standard Ermeto Flareless Sleeves – are made from 17-4PH precipitation-hardened stainless

Coupling

(Ref. SAE No. 140138)



Weatherhead Steel	Weatherhead Stainless	Aeroquip Steel	Aeroquip Stainless	Thread Size
C3309X4	3321X4	2096-4S	259-2096-4	1/4
C3309X6	3321X6	2096-6S	259-2096-6	3/8
C3309X8	3321X8	2096-8S	259-2096-8	1/2
C3309X12	3321X12	2096-12S	259-2096-12	3/4
C3309X16	3321X16	2096-16S	259-2096-16	1

Straight Thread O-ring Connector

(Ref. SAE No. 070120)



Weatherhead Steel	Weatherhead Stainless	Aeroquip Steel	Aeroquip Stainless	Thread Size
C5315X4	5327X4	202702-4-4S	259-202702-4-4	1/4
C5315X6	5327X6	202702-6-6S	259-202702-6-6	3/8
C5315X8	5327X8	202702-8-8S	259-202702-8-8	1/2
C5315X12	5327X12	202702-12-12S	259-202702-12-12	3/4
C5315X16	5327X16	202702-16-16S	259-202702-16-16	1

Hex Nipple

(Ref. SAE No. 140137)



Weatherhead Steel	Weatherhead Stainless	Aeroquip Steel	Aeroquip Stainless	Thread Size
C3069X4	3081X4	2083-4-4S	259-2083-4-4	1/4
C3069X6	3081X6	2083-6-6S	259-2083-6-6	3/8
C3069X8	3081X8	2083-8-8S	259-2083-8-8	1/2
C3069X12	3081X12	2083-12-12S	259-2083-12-12	3/4
C3069X16	3081X16	2083-16-16S	259-2083-16-16	1

90° Male Elbow

(Ref. SAE No. 070202)



Weatherhead Steel	Weatherhead Stainless	Aeroquip Steel	Aeroquip Stainless	Thread Size
C5405X4X4	5417X4X4	2024-4-4S	259-2024-4-4	1/4
C5405X6X6	5417X6X6	2024-6-6S	259-2024-6-6	3/8
C5405X8X8	5417X8X8	2024-8-8S	259-2024-8-8	1/2
C5405X12	5417X12	2024-12-12S	259-2024-12-12	3/4
C5405X16	5417X16	2024-16-16S	259-2024-16-16	1

Male Connector

(Ref. SAE No. 070102)



Weatherhead Steel	Weatherhead Stainless	Aeroquip Steel	Aeroquip Stainless	Thread Size
C5205X4X4	5217X4X4	2021-4-4S	259-2021-4-4	1/4
C5205X6X6	5217X6x6	2021-6-6S	259-2021-6-6	3/8
C5205X8X8	5217X8x8	2021-8-8S	259-2021-8-8	1/2
C5205X12	5217X12	2021-12-12S	259-2021-12-12	3/4
C5205X16	5217X16	2021-16-16S	259-2021-16-16	1

90° Elbow - Straight Thread O-ring

(Ref. SAE No. 070220)



Weatherhead Steel	Weatherhead Stainless	Aeroquip Steel	Aeroquip Stainless	Thread Size
C5515X4	5527X4	2062-4-4S	259-2062-4-4	1/4
C5515X6	5527X6	2062-6-6S	259-2062-6-6	3/8
C5515X8	5527X8	2062-8-8S	259-2062-8-8	1/2
C5515X12	5527X12	2062-12-12S	259-2062-12-12	3/4
C5515X16	5527X16	2062-16-16S	259-2062-16-16	1

For more information refer to W-HYOV-MC002-E3 for Weatherhead products, A-HOOV-MC001-E2 for Aeroquip products.

Food processing product guide

Industrial Hose



Industrial Hose

H345 Pressure Washer

For high pressure cleaning and degreasing. Utilizes Eaton "Bite the Wire" fittings in steel or stainless steel (Z Series or 1AA) fittings reference in catalog.



Part #	I.D.	Working Pressure
H34506	0.38	3,000 psi
H34508	0.50	3,000 psi

Temp: -18°C to +93°C, (0°F to +200°F)

Tube: Nitrile (RMA Class A)
Reinforcement: 1-braid wire
Cover: Vinyl Nitrile

Type of Couplings:
Eaton "Z" Series/ TTC

H285 CLEARFORCE™ — R

For food and beverage dispensing; conveying fertilizer/pesticides



Part #	I.D.	Working Pressure
H28506	0.38	225 psi
H28508	0.50	200 psi
H28510	0.62	200 psi
H28512	0.75	150 psi
H28516	1.00	125 psi

Temp: -26°C to +66°C, (-15°F to +150°F)

Tube: Clear PVC
NSF-51 cert. FDA approved
Reinforcement: 2-spiral fiber
Cover: Clear PVC

Type of Couplings:
Eaton "E" Series, 265 "P" Series, Barbed inserts

H0350 LION™ Food Transfer

For suction and discharge of non-dairy food products



Part #	I.D.	Working Pressure
H035032	2.0	250 psi
H035048	3.0	250 psi
H035064	4.0	250 psi

Temp: -40°C to +82°C, (-40°F to +180°F)

Tube: Vinyl nitrile
Reinforcement: 2-ply fiber with helical wire
Cover: Vinyl nitrile

Type of Couplings:
Cam and groove,
Combination nipple

PT200 CLEARFORCE™ — NR

For food and beverage dispensing; and in-plant service



Part #	I.D.	Working Pressure
PT200204	0.12	65 psi
PT200305	0.19	55 psi
PT200406	0.25	55 psi
PT200608	0.38	45 psi
PT200810	0.50	30 psi

Temp: -10°C to +66°C, (-15°F to +150°F)

Tube: Clear PVC
NSF-51 cert. FDA approved
Cover: Clear PVC

Type of Couplings:
Barbed inserts

H201 EASY COUPLE™

For air and water transfer, pneumatic tools and air tools



Part #	I.D.	Working Pressure
H20104XX	.25	300 psi
H20106XX	0.38	300 psi
H20108XX	0.50	300 psi
H20110XX	0.62	300 psi
H20112XX	0.75	300 psi
H20116XX	1.00	200 psi

Temp: -40°C to +100°C, (-40°F to +212°F)

* All sizes available in Black, Blue and Red **Green, Gray and Yellow available

Tube: Vinyl Nitrile
Reinforcement: 1-braid fiber
Cover: (BK) Neoprene (BU,GN, GY, RD,YW)
Vinyl nitrile

Type of Couplings:
Aeroquip socketless,
Push-on couplings,
Eaton "B" Series,
Eaton quick disconnect

EHF002 Liquid Food Suction & Discharge

For suction and discharge of milk, vegetable oil and beverages



Part #	I.D.	Working Pressure
EHF002-12GY	0.75	150 psi
EHF002-16GY	1.00	150 psi
EHF002-20GY	1.25	150 psi
EHF002-24GY	1.50	150 psi
EHF002-28GY	1.75	150 psi
EHF002-32GY	2.00	150 psi
EHF002-40GY	2.50	150 psi
EHF002-48GY	3.00	150 psi
EHF002-64GY	4.00	150 psi

Temp: -40°C to +80°C, (-40°F to +176°F)

* Additional colors available on BK-Black, BU-Blue, or RD-Red

Tube: Veg. oil-resistant NBR
Reinforcement: Synthetic textile with a single steel helical wire
Cover: synthetic rubber

Type of Couplings:
Cam and groove
Combination nipple

H9610 WASHDOWN™ 1000

For washdown of food processing facilities and equipment



Part #	I.D.	Working Pressure
H961006	0.38	1,000 psi
H961008	0.50	1,000 psi

Temp: -40°C to +82°C, (-40°F to +180°F)

Tube: Nitrile
Reinforcement: 1-braid wire
Cover: Vinyl Nitrile

Type of Couplings:
Eaton "U" Series

For more information refer to Industrial Hose Master Catalog E-H00V-MC003-E3

Food processing product guide

Tooling Crimp Machines and Filtration

Crimp Machines

ET4020

Weatherhead ET4020: a benchtop crimp machine that crimps up to 1 1/4" (-20) braided and H430 four spiral wire hose.

- Electronic programmable keypad
- 10 Crimp diameter presets
- Individual die cages for each hose size



FT1380

Aeroquip FT1380: a benchtop crimp machine that crimps up to 1 1/4" (-20) braided and four spiral wire hose.

- Electronic programmable keypad
- 10 Crimp diameter presets
- Individual die cages for each hose size
- FF16423 FT1380 swaging adapter kit



Machine	Hose Fittings	Sizes
ET4020	1 Braid	-04 thru -20
	2 Braids	-06 thru -20
	4 Spiral	-06 thru -20
	6 Spiral	-12 thru -20



Machine	Hose Fittings	Sizes
FT1380	1 Braid	-04 thru -20
	2 Braids	-06 thru -20
	4 Spiral	-06 thru -20
	6 Spiral	-12 thru -20



For more information on Weatherhead ET4020 Crimp Machines refer to W-EQCR-MS002-E1. Operation Manual: W-EQCR-TM020-E

For more information on Aeroquip FT1380 Crimp Machines refer to E-EQCR-TT004-E.

Filtration

Eaton's hydraulic filtration product line features more than 4,000 high-quality filter elements with a high dirt-holding capacity to ensure consistent filter efficiency and long element life. These elements are available with various filter materials, different construction types and micron ratings to help protect critical system components.

Breather Filters

Eaton tank breathers assure that no contamination reaches the tank through air exchange or water condensation in the reservoir.

Specifications: Flow rates of up to 925 gpm



Series HP – High Pressure Filters

The HP-filter is mounted in-line and both bypass and reversing valves are available. They have visual/electrical DP indicators and are made of carbon steel.

Specifications: Maximum pressure of 6,000 psi, Maximum flow rate of 180 gpm



Series TEF – Return-line Filter

Series TEF filters have a simple design that eliminates fittings and is easy to service. When changing the filter element a detachable connection between the filter head and the filter bowl prevents any flow back.

Specifications: Maximum pressure of 145 PSI



Part No.	Model Code
BR110	H2O-gate breather
BR210	Dirt-gate breather

Part No.	Model Code
HP91-0000	HP.91.3VG.30.E.P.-.UG.4.-.S2.-
HP91-0001	HP.91.3VG.30.E.P.-.UG.4.-.S2.AE.50.5.0.P.-
HP91-0003	HP.91.3VG.30.E.P.-.UG.4.-.S2.AOR.5.0.P.-
HP171-0000	HP.171.3VG.30.E.P.-.UG.5.-.S2.-
HP171-0001	HP.171.3VG.30.E.P.-.UG.5.-.S2.AE.50.5.0.P.-
HP171-0003	HP.171.3VG.30.E.P.-.UG.5.-.S2.AOR.5.0.P.-
HP450-0000	HP.450.3VG.30.E.P.-.FS.7.-.S2.-
HP450-0001	HP.450.3VG.30.E.P.-.FS.7.-.S2.AE.50.5.0.P.-
HP450-0003	HP.450.3VG.30.E.P.-.FS.7.-.S2.AOR.5.0.P.-

Part No.	Model Code
TEF70-0000	TEF.70.3VG.16.S.P.-.UG.4.-.-.-
TEF70-0002	TEF.70.3VG.16.S.P.-.UG.4.-.-.0
TEF70-0003	TEF.70.3VG.16.S.P.-.UG.4.-.0.E1,1,5
TEF120-0000	TEF.120.3VG.16.S.P.-.UG.5.-.-.-
TEF120-0002	TEF.120.3VG.16.S.P.-.UG.5.-.-.0
TEF120-0003	TEF.120.3VG.16.S.P.-.UG.5.-.0.E1,1,5
TEF310-0000	TEF.310.3VG.16.S.P.-.UG.6.-.-.-
TEF310-0002	TEF.310.3VG.16.S.P.-.UG.6.-.-.0
TEF310-0003	TEF.310.3VG.16.S.P.-.UG.6.-.0.E1,1,5
TEF625-0000	TEF.625.3VG.16.S.P.-.FS.8.-.-.-
TEF625-0002	TEF.625.3VG.16.S.P.-.FS.8.-.-.0
TEF625-0003	TEF.625.3VG.16.S.P.-.FS.8.-.0.E1,1,5

For technical information on these and other filtration products go to EatonPowerSource.com.

Food processing product guide

Power Units, Tie Rod Cylinders

All of Eaton's power units, motors, pumps, valves and cylinders are available with multiple options. Please consult your local representative and Eaton PowerSource for configuration details.

Power Units: System Center

PSSC

Horizontal – Tank size: 10-30 gallon

Vane Pumps: 4.5-7.5 gpm

Piston Pumps: 5.0-10.0 gpm

Removable top for easy access.

Variable speed drive-ready.

Pre-configured for multiple valve stations.



Assembly No.	Description				Model Code
6764180	V10 vane pump	4.5 GPM, 3 HP	10 gallon tank		PSSC-A1-010-V010-XX-720-XX-XXJX-D-2-X-F-X-W-X-M-NC-X-X
6764181	V10 vane pump	6 GPM, 5 HP	20 gallon tank		PSSC-A1-020-V013-XX-730-XX-XXJX-D-2-X-F-X-W-X-M-NC-X-X
6764182	V10 vane pump	7.5 GPM, 7.5 HP	20 gallon tank		PSSC-A1-020-V016-XX-740-XX-XXJX-D-2-X-F-X-W-X-M-NC-X-X
6764183	PVQ variable piston pump	5 GPM, 5 HP	20 gallon tank		PSSC-A1-020-P010-DX-730-XX-XXJX-D-2-X-F-X-W-X-M-NC-X-X
6764184	PVQ variable piston pump	10 GPM, 10 HP	30 gallon tank		PSSC-A1-030-P020-DX-752-XX-XXJX-D-2-X-F-X-W-X-M-NC-X-X

Cylinders

Eaton Vickers NZ, RE/RF Tie-Rod Cylinders

Eaton's Vickers® and Hydro-Line® G, N, I, and L-Series are a broad range of NFPA and ISO hydraulic, pneumatic, and electrohydraulic cylinders focused on industrial markets.

This comprehensive line features a proven design coupled with the Eaton SureSeal™ system for improved performance and better service-ability. This line offers virtually unlimited options.

Applications: Presses, plastic blow and injection molding equipment, machine tools, packaging and material handling equipment, and food processing plus more.

Specifications: Rated Pressure: Up to 207 bar (3,000 psi) for Hydraulic and 17 bar (250 psi) for Pneumatic standard products higher capability in custom cylinders).

Available standard sizes:

19-763 mm (3/4-30") bore to 7,620 mm (300") stroke.

NZ High pressure

Hydraulic tie rod

- ANSI/NFPA
- Single rod
- 1.5"–8" Bore with stroke lengths to 60"
- Variety of mount styles including side lug rectangular flange head/cap, rectangular head/ cap, clevis, and no mount
- All rod end styles or minor modification
- Extra rod projection
- Standard SAE & NPTF porting in any position
- Standard cushions (optional)
- Stop tubes
- Standard and high temperature seals
- Additional wrench flats



RE, RF Lower pressure

Hydraulic/ Pneumatic tie rod

- ANSI/NFPA
- Single rod
- 1.5"–6" Bore with stroke lengths to 60"
- Variety of mount styles including side lug, rectangular flange head/cap, clevis, and no mount
- All rod end styles or minor modification
- Extra rod projection
- Standard SAE & NPTF porting in any position
- Standard cushions (optional)
- Standard and high temperature Viton® seals
- Additional wrench flats



Industrial Tie-Rod NZ series. For more information refer to V-CYTR-MC002-E2.

Food processing product guide

Motors

All of Eaton's power units, motors, pumps, valves and cylinders are available with multiple options. Please consult your local representative and Eaton PowerSource for configuration details.

Motors

Char-Lynn Motors 2,000 series, 4,000 series, 6,000 series Disc valve motors come with standard mount, wheel mount or bearingless. The Char-Lynn range offers many displacements, output shafts, port configurations and a multitude of special options.

Specifications: Rated Speed: Up to 900 rpm.
Torque Range: Up to 3,390 Nm (30,000 lb-in).

J-Motor and H-Motor, S-Motor, 2000 Series, 4000 Series and 6000 Series

Assembly No.	Description	Model Code
129-0001-002	J Series 8.2 cm ³ /r, black paint	M0J05A01A1000A0B
129-0672-002	J Series 8.2 cm ³ /r, nickel plated	M0J05A01A1000E0B
129-0689-002	J Series 8.2 cm ³ /r, epoxy coated	M0J05A01A1000B0B
101-1006-009	H Series 231 cm ³ /r, black paint	MH0141BA01AB000000000000AA00J
101-4032-009	H Series 231 cm ³ /r, nickel plated	MH0141BA01AB000000000000AY00J
101-4011-009	H Series 96 cm ³ /r, USDA epoxy coated	MH0059BA01AA000000000000BH00J
101-2013-009	H Series 96 cm ³ /r, nickel plated shaft, environmental epoxy coated	MH0059BN01AB000N000000SS0AD00J
103-1006-012	S Series 224 cm ³ /r, black paint	MS0137BA01AB000000000000AA00M
103-3435-012	S Series 224 cm ³ /r, nickel plated	MS0137BA01AB000000000000AY00M
103-3602-012	S Series 371 cm ³ /r, USDA epoxy coated	MS0227BA01AB000000000000BH00M
104-1143-006	2000 Series 393.8 cm ³ /r, black paint	M02240AC01AA010001000000AAA0F
104-4240-006	2000 Series 393.8 cm ³ /r, nickel plated	M02240AC01AA010001000000BJAA0F
104-1489-006	2000 Series 489 cm ³ /r, epoxy coated	M02298AC17AA010001000000ACA0F
109-1319-006	4000 Series 205.5 cm ³ /r, black paint	M04125AB01AB020000000000AA00F
109-1605-006	4000 Series 246.3 cm ³ /r, nickel plated	M04150AB01AB020000000000AS00F
109-1435-006	4000 Series 492.6 cm ³ /r, epoxy coated	M04301AB03AB020000000000AB00F
112-1305-006	6000 Series 491.4 cm ³ /r, black paint	M06300AB01AA020000000000AA00F
112-1486-006	6000 Series 982.7 cm ³ /r, nickel plated	M06600AB01AA020000100000AN00F
112-1181-006	6000 Series 491.4 cm ³ /r, epoxy coated	M06300AB08AA020000000000AB00F

For full body nickel plating, choose option "Y" in paint/packaging options



Motor protection plating and coating options



Full body nickel plating

This option is available for H, S, T, 2K, 4K and 6K series motors – choose option "Y" in paint/packaging options.



Environmental protection

(epoxy paint coating and plated shafts)
This option is available on all Char-Lynn motors.

Food processing product guide

Vane Pumps V10 and V20 Series

All of Eaton's power units, motors, pumps, valves and cylinders are available with multiple options. Please consult your local representative and Eaton PowerSource for configuration details.

Vane Pumps

Field-proven Eaton V10 and V20 fixed displacement vane pumps are a common first choice for medium- to low-pressure mobile and industrial applications all over the world. Available with integrated flow control valves to simplify system design and installation, these pumps are widely used as pilot and auxiliary pumps for complex systems.

Specifications:

up to 170 bar, 3-42cc, min speed 200 rpm, max up to 3400 rpm

V10 Series Pumps

Part Number	Model Code
382061-3	V10 1P1P 11C20
375655-1	V10 1P1P 1A20
375655-3	V10 1P1P 1C20
382245-1	V10 1P1S 1A20
382075-1	V10 1P2P 1A20
382075-3	V10 1P2P 1C20
382077-1	V10 1P3P 1A20
382077-3	V10 1P3P 1C20
401070-4	V10 1P3P 1D20 027
382082-1	V10 1P4P 1A20
382082-2	V10 1P4P 1B20
382082-3	V10 1P4P 1C20
382082-4	V10 1P4P 1D20
02-347049-4	V10 1P4P 1D20 027
382085-3	V10 1P5P 11C20
382084-1	V10 1P5P 1A20
382084-3	V10 1P5P 1C20
382084-4	V10 1P5P 1D20
388276-5	V10 1P5S 11A20 LH
382086-1	V10 1P6P 1A20
382086-3	V10 1P6P 1C20
382086-7	V10 1P6P 1C20 LH
382062-3	V10 1P7P 11C20
382087-1	V10 1P7P 1A20
382087-3	V10 1P7P 1C20
382087-4	V10 1P7P 1D20
382063-3	V10 1S2S 1C20
382069-1	V10 1S3S 11A20
382069-3	V10 1S3S 11C20
382069-7	V10 1S3S 11C20 LH
382067-1	V10 1S3S 1A20
382067-3	V10 1S3S 1C20
502495-7	V10 1S3S 38C20 LH
390099-3	V10 1S4S 11C20
382071-6	V10 1S4S 1B20 LH
382092-1	V10 1S5S 11A20
382092-3	V10 1S5S 11C20
382092-7	V10 1S5S 11C20 LH
382074-1	V10 1S5S 1A20



V20 Series Pumps

Part Number	Model Code
382074-3	V10 1S5S 1C20
382094-5	V10 1S6S 11A20 LH
382094-3	V10 1S6S 11C20R
387500-1	V10 1S6S 1A20
382095-1	V10 1S7S 1A20
372617-1	V20 1P11P 1A11
372617-3	V20 1P11P 1C11
393723-5	V20 1P12P 1A11 LH
393723-3	V20 1P12P 1C11
372606-1	V20 1P13P 1A11
372606-2	V20 1P13P 1B11
372606-3	V20 1P13P 1C11
372555-3	V20 1P13S 1C11
372613-1	V20 1P6P 1A11
372613-3	V20 1P6P 1C11
394450-1	V20 1P7P 1A11
394450-3	V20 1P7P 1C11
431789-7	V20 1P7P 38C11 LH
372639-1	V20 1P8P 1A11
372639-3	V20 1P8P 1C11
358357-1	V20 1P9P 1A11
358357-3	V20 1P9P 1C11
358358-3	V20 1S11S 1C11
372561-3	V20 1S13S 1C11
428669-1	V20 1S13S 38A11
372564-3	V20 1S8S 1C11



For more information: Industrial Portfolio Preferred Product Guide E-HYOV-PL001-E

Food processing product guide

Vane Pumps VMQ and Cartridge Kits

Eaton VMQ Series fixed displacement vane pumps handle the highest pressures at the lowest noise levels. With a unique bi-metallic wafer plate design that allows for the increase in viscosity and pressure rise even during cold start-ups, VMQ Series pumps handle higher pressures than vane pumps of similar design.

VMQ Specifications: up to 290 bar, 10-240cc, min speed 200 rpm, max up to 3000 rpm

Cartridge Kits

Part Number	Model Code
02-102507	C KIT **20V5*.*22
02-102508	C KIT **20V8*.*22
02-102509	C KIT **20V11*.*22
02-102510	C KIT **20V12*.*22
02-102511	C KIT **20V14*.*22
02-102532	C KIT 25V12***22
02-102533	C KIT 25V14***22
02-102534	C KIT 25V17***22
02-102535	C KIT 25V21***22
02-102539	C KIT **25V21***22
02-102552	C KIT 35V25***22
02-102553	C KIT 35V30***22
02-102554	C KIT 35V35***22
02-102555	C KIT 35V38***22
02-102572	C KIT 45V42***22
02-102574	C KIT 45V50***22
02-102575	C KIT 45V60***22
413418	C KIT 35VQ35
413419	C KIT 35VQ38
413421	C KIT 35VQ25
413422	C KIT 35VQ30
416427	C KIT **20VQ **11
416429	C KIT **20VQ **14
416435	C KIT 45VQ42
416436	C KIT 45VQ 50
416437	C KIT 45VQ60
416439	C KIT 25VQ12
416440	C KIT 25VQ14
416441	C KIT 25VQ17
416442	C KIT 25VQ21
417053	C KIT **20VQ **5
417054	C KIT **20VQ **8
421238	C KIT **25VQ21



Vane Pumps: VMQ



Part Number	Model Code
708-0012-032	VMQ125S025A00100AAAAANR 00A032
708-0024-032	VMQ125S040A00100AAAAANR 00A032
708-0025-032	VMQ125S040A00100AACANR00 A032
708-0030-032	VMQ125S045A00100AAAAANR 00A032
708-0031-032	VMQ125S045A00100AACANR 00A032
708-0033-032	VMQ125S050A00100AAAAANR00 A032
708-0034-032	VMQ125S050A00100AACANR 00A032
708-0035-032	VMQ125S050A00500AACANR 00A032
708-0039-032	VMQ125S050A00900AACANR00 A032
708-0041-032	VMQ125S063A00100AAAAANL 00A032
708-0042-032	VMQ125S063A00100AAAAANR 00A032
708-0043-032	VMQ125S063A00100AABANR 00A032
708-0044-032	VMQ125S063A00100AACANR 00A032
708-0055-032	VMQ125S071A00100AAAAANR 00A032
708-0056-032	VMQ125S071A00500AAAAANR 00A032
708-0061-032	VMQ125S080A00100AAAAANR 00A032
708-0062-032	VMQ125S080A00100AACANR 00A032
708-0106-032	VMQ125S071A00100AACANR 00A032
708-0147-032	VMQ125S050A00100AACANR 000032
708-0150-032	VMQ125S063A00100AABANL00 A032
708-0169-032	VMQ125S040A00100AACANL00 A032
708-0171-032	VMQ125S090A00100AACANR00 0032
708-0174-032	VMQ125S045A00100AADANR00 A032
708-0182-032	VMQ125S040A00100AACAVR 00A032
708-0206-032	VMQ125S063A00100AAAAANR 000032
710-0060-032	VMQ145S195B00900AAAAANR00 A032
710-0076-032	VMQ145S180B00900AABANR 00A032
710-0081-032	VMQ145S180B00900AAAAANR 00A032
711-0003-032	VMQ22525S016016A00100AAA AEANR00A032
711-0011-032	VMQ22525S025010A00100AAA AEANR00A032
711-0016-032	VMQ22525S025016A00100AAA AEANR00A032
711-0019-032	VMQ22525S025025A00100AAA AEANR00A032
711-0021-032	VMQ22525S032025A00100AAA CGANR00A032
711-0023-032	VMQ22525S032032A00100AAA AEANR00A032
711-0031-032	VMQ22525S040040A00100AAA CGANR00A032
711-0040-032	VMQ22525S045045A00100AAA AEANR00A032
711-0043-032	VMQ22525S045063A00500AAA CGANR00A032
711-0050-032	VMQ22525S063016A00100AAA AEANR00A032
711-0051-032	VMQ22525S063020A00100AAA CGANR00A032
711-0052-032	VMQ22525S063025A00100AAA AHANR00A032
711-0054-032	VMQ22525S063032A00500AAA AEANL00A032
711-0056-032	VMQ22525S063045A00100AAA AEANR00A032
711-0058-032	VMQ22525S063063A00100AAA AEANR00A032
711-0065-032	VMQ22525S071016A00100AAA AEANR00A032
711-0070-032	VMQ22525S071025A00100AAA AEANR00A032
711-0072-032	VMQ22525S071025A00100AAA CGANR00A032
711-0081-032	VMQ22525S071050A00500AAA DFANL00A032
711-0084-032	VMQ22525S071063A00100AAA CGANR00A032
711-0087-032	VMQ22525S071071A00500AAA CGANR00A032
711-0098-032	VMQ22525S080032A00500AAA AEANR00A032

For more information: Industrial Portfolio Preferred Product Guide E-HYOV-PL001-E or refer to the Vane pump catalog V-PUVN-TM001-E5.

Food processing product guide

Variable Displacement Piston Pumps

All of Eaton's power units, motors, pumps, valves and cylinders are available with multiple options. Please consult your local representative and Eaton PowerSource for configuration details.

Variable Displacement Piston Pumps: PVM

Variable speed drive pump solution generates power far more efficiently than conventional, fixed-speed pump systems. They also allow quieter operation and require less cooling.

- Proven rotating group can produce up to 315 bar of continuous pressure
- Displacement range from 18ccm up to 141ccm
- High load bearings are rated at 14,000 hours at corner horsepower



Part Number	Model Code
123AL01234A	PVM018ER01AS02AAC07200000A0A
123AL01680A	PVM018ER01AS02AAC07200000A0A
02-347736	PVM045ER05CE01AAA28000000A0A
02-347735	PVM045ER05CE01AAC28110000A0A
02-335272	PVM045ER05CS01AAA28000000A0A
123AL00231A	PVM045ER05CS01AAA28000000A0A
02-335271	PVM045ER05CS01AAC28110000A0A
02-345126	PVM045ER05CS0200C28110000A0A
02-334321	PVM045ER05CS02AAA28000000A0A
123AL00121A	PVM045ER05CS02AAA28000000A0A
02-335276	PVM045ER05CS02AAC28110000A0A
123AL00825A	PVM045ER05CS05AAA07000000A0A
123AL01217A	PVM045ER06CS04AAA23000000CA0A
02-340701	PVM045ER07CS02AAA28000000A0A
123AL01259A	PVM045ER07CS02AAC2811000AA0A
123AL00378A	PVM050ER05CS01AAA23000000A0A
02-334511	PVM050ER05CS02AAA07000000A0A
123AL00025A	PVM057ER09EE02AAA28000000A0A
123AL00151A	PVM057ER09GS02AAA07000000A0A
02-345222	PVM057ER09GS02AAA28000000A0A
123AL00285A	PVM057ER09GS02AAB2811000AA0A
123AL00439A	PVM057ER09GS02AAE0020000CA0A
123AL00698A	PVM057ER09GS04AAC28200000A0A
123AL01180A	PVM063ER09GS02AAC2311000AA0A
123AL00828A	PVM063ER11ES02AAE0020000A0A
123AL00152A	PVM074ER09GS02AAA07000000A0A
123AL00040A	PVM074ER09GS02AAA28000000A0A
123AL00741A	PVM074ER09GS02AAC28200000A0A
123AL00277A	PVM074ER09GS02AAF00200000A0A

Part Number	Model Code
123AL00844A	PVM074ER10GS02AAF0020000AA0A
123AL00861A	PVM074ER11ES02AAB28200000A0A
123AL00536A	PVM081ER09ES02AAA23000000A0A
123AL00843A	PVM081ER10GS02AAF0020000AA0A
123AL00153A	PVM098ER09GS02AAA07000000A0A
123AL00871A	PVM098ER09GS02AAA2300000CA0A
123AL00062A	PVM098ER09GS02AAA28000000A0A
123AL00444A	PVM098ER09GS02AAA2800000CA0A
123AL00093A	PVM098ER10GS02AAA2300000AA0A
123AL00889A	PVM098ER10GS02AAE0020000EA0A
123AL00842A	PVM098ER10GS02AAF0020000AA0A
123AL00408A	PVM106ER09GS02AAA23000000A0A
123AL01283A	PVM131EL11GS02AAC28200000A0A
123AL00307A	PVM131ER09GS02AAA28000000A0A
123AL00443A	PVM131ER10GS02AAA0700000CA0A
02-335172	PVM131ER10GS02AAA28000000A0A
123AL00160A	PVM131ER11GS02AAA07000000A0A
123AL00275A	PVM131ER13GS02AAE0020000CA0A
02-345765	PVM131MR11GS02AAB28200000A0A
123AL00273A	PVM131MR11GS02AAC2820000AA0A
02-348108	PVM131MR12GS02AAB2811000FA0A
123AL00574A	PVM131MR12GS02AAE0020000AA0A
123AL00361A	PVM141ER09GS02AAA23000000A0A
123AL00360A	PVM141ER10GS02AAA23000000A0A
123AL00115A	PVM141ER12GS02AAB2311000CA0A
123AL00022A	PVM141ER13JS02AAA23000000A0A
123AL00499A	PVM141ER14JS02AAB2311000FA0A
123AL01410A	PVM141ML11GS02AAB2320000AA0A
123AL00731A	PVM141MR11GS02AAA23000000A0A

Variable Displacement Piston Pumps: PVQ

Part Number	Model Code
02-341564	PVQ20-B2R-SS3S-21-CG-30
02-341685	PVQ32-B2R-SE1S-21-C14-12

Eaton PVQ Series piston pumps offer lower operating pressure and smaller variable displacement.

Specifications: Displacements range from 10 cc to 45 cc (0.6 to 2.75 cu in)
Operating pressures: up to 210 bar (3,045 psi)



Food processing product guide

DG Directional Valves, DG4V-3

DG Directional Valves, DG4V-3

Part Number	Model Code
859162	DG4V 3 0C MU H7 60
02-332019	DG4V-3-0F-M-U-H7-60
833AN00024A	DG4V-3-0N-M-KUP12-D1-G7- 60
871358	DG4V 3 2A H MU B6 60
859167	DG4V 3 2AL M FW B6 60
02-354554	DG4V 3 2AL M FW D6 60
02-108568	DG4V 3 2AL M FW H7 60
859211	DG4V 3 2AL M U H7 60
02-109979	DG4V 3 2AL M U HL7 60
871848	DG4V 3 2AL VM U B6 60
02-138871	DG4V 3 2A M FPA3W H7 60
02-147429	DG4V 3 2A M FPA3WL B6 60
02-109493	DG4V 3 2A M FPA5WL B6 60
02-110416	DG4V 3 2A M FTWL B6 60
02-354127	DG4V-3-2A-M-FTWL-D7-HL7- 60
02-146246	DG4V 3 2A M FTWL H7 60
02-139078	DG4V 3 2A M FTWL HL7 60
870116	DG4V 3 2A M FW B6 60
859159	DG4V 3 2A M U B6 60
859170	DG4V 3 2A M U C6 60
565477	DG4V 3 2A M U D6 60
859189	DG4V 3 2A M U G7 60
529762	DG4V3 2A MUH7 60
859188	DG4V 3 2A VM U H7 60
02-399344	DG4V-3-2A-Z-M-S4-FPA5WL- H7-60
02-354202	DG4V-3-2BL-M-FTWL-B6-60
859207	DG4V 3 2B M U B6 60
859210	DG4V 3 2B M U H7 60
02-109255	DG4V 3 2C M FPA5WL B6 60
871471	DG4V 3 2C M FTWL B6 60
02-110353	DG4V 3 2C M FTWL H7 60
871291	DG4V 3 2C M FW B6 60
870509	DG4V 3 2C M FW H7 60
02-350654	DG4V3- 2C-M-U6-H7-60
859161	DG4V 3 2C M U B6 60
859172	DG4V 3 2C M U D6 60
859212	DG4V 3 2C M U G7 60
529760	DG4V3 2C MUH7 60
02-137926	DG4V 3 2C M U HL7 60
870662	DG4V 3 2C VM U B6 60
02-359890	DG4V 3 2C VM U G7 60
02-110415	DG4V 3 2N M FTWL B6 60
02-110521	DG4V 3 2N M FTWL BL6 60
872121	DG4V 3 2N M FW B6 60
859181	DG4V 3 2N M U B6 60
869974	DG4V 3 2N M U D6 60
529764	DG4V 3 2N M U H7 60
02-137912	DG4V 3 2N M U HL7 60
869963	DG4V 3 31C M U H7 60
833AN00023A	DG4V-3-33C-M-KUP12-D1-G7 -60

Eaton's Vickers® DG valves mount on industry standard surfaces and provide 3- or 4-way control in a broad range of applications, industrial and mobile. Their primary function is to direct fluid flow to a cylinder or to control the direction of rotation of a hydraulic motor. These valves can be actuated by solenoid, hydraulic or pneumatic pilot, lever, or mechanically.

Specifications:

Rated Flow: Up to 1,100 lpm (290 gpm)

Rated Pressure: Up to 350 bar (5,000 psi) Size: NG4-32 (D02-10)

Part Number	Model Code
859214	DG4V 3 33C M U H7 60
869574	DG4V 3 3C M U H7 60
871106	DG4V 3 561C M U H7 60
869571	DG4V 3 56C M U H7 60
02-354324	DG4V 3 6B VM FW B6 60
02-354574	DG4V-3-6B-VM-U-HL7-60
02-391668	DG4V 3 6C3 M U HH7 60
02-399329	DG4V-3-6C-H-M-FW-G7-60
02-157047	DG4V-3-6C-H-M-U-HL7-60
02-109494	DG4V36CMFPA5WLB660
02-146885	DG4V 3 6C M FPA5WL H7 60
02-110359	DG4V 3 6C M FTWL B6 60
02-108045	DG4V 3 6C M FTWL H7 60
870160	DG4V 3 6C M FW B6 60
02-108698	DG4V 3 6C M FW G7 60
869975	DG4V 3 6C M FW H7 60
859176	DG4V 3 6C M U B6 60
02-110417	DG4V 3 6C M U BL6 60
859180	DG4V 3 6C M U C6 60
859726	DG4V 3 6C M U D6 60
859165	DG4V 3 6C M U G7 60
02-110842	DG4V 3 6C M U GL7 60
565465	DG4V 3 6C MUH7 60
02-109978	DG4V 3 6C M U HL7 60
02-156169	DG4V 3 6C VM FTWL B6 60
02-323998	DG4V 3 6C VM FTWL H7 60
871255	DG4V 3 6C VM FW B6 60
859484	DG4V 3 6C VM U C6 60
859183	DG4V 3 6C VM U H7 60
02-138512	DG4V 3 6N M FTWL B6 60
02-110021	DG4V 3 6N M FW B6 60
02-145720	DG4V 3 7C M FTWL B6 60
859184	DG4V 3 7C M U H7 60
833AN00025A	DG4V-3-8C-H-VM-KUP6-G7-6 1
02-144940	DG4V 3 8C H VM U G7 61
02-309716	DG4V-3-8C-H-VM-U-H7-61
02-144974	DG4V 3 8C VM FTW G7 61
02-144984	DG4V 3 8C VM FTWL B6 61
02-354831	DG4V-3-8C-VM-FTWL-G7-61
02-145158	DG4V 3 8C V M FW B6 61
02-145160	DG4V 3 8C VM FW G7 61
02-148811	DG4V 3 8C VM FW H7 61
02-144938	DG4V-3-8C-VM-U-B6-61
02-144957	DG4V 3 8C VM U G7 61
02-145162	DG4V-3-8C-VM-U-H7-61
02-353814	DG4V 3 8C Z VM KUP5D2 G7 61
02-412106	DG4V 3M 0A M KUP5D G7 60
02-411976	DG4V 3M 0A M KUP5D H7 60
02-411820	DG4V 3M 2A M KUP5 G7 60
02-414031	DG4V 3M 2A M KUP5 H7 60

Food processing product guide

DG Directional Values, DG5V



DG Directional Valves, DG5V

Part Number	Model Code
02-321782	DG5V 10 H 2C M U H 10
02-356279	DG5V-10-H-8C-E-T-VM-U-H-10
834AN00029A	DG5V-5-2N-H-M-U-G-7-10
02-110270	DG5V 5 6C T M U H5 20
836AN00065A	DG5V-8-H-0C-T-S-M-U-H-10
836AN00102A	DG5V-8-H-0C-X-E-T-M-U-H-10
02-325842	DG5V 8 H 2A M FW B 10
836AN00036A	DG5V-8-H-2A-M-FW-D-10
02-360351	DG5V-8-H-2A-T-M-FW-B-10
836AN00116A	DG5V-8-H-2A-T-M-U-G-10
02-344693	DG5V-8-H-2A-T-M-U-H-10
836AN00012A	DG5V-8-H-2C-E-M-FW-B-10
836AN00248A	DG5V-8-H-2C-H-M-FW-G-10
02-329116	DG5V 8 H 2C M FTWL B 10
02-329117	DG5V 8 H 2C M FW B 10
02-329118	DG5V 8 H 2C M FW H 10
02-337782	DG5V-8-H-2C-M-U-B-10
02-338242	DG5V 8 H 2C M U H 10
02-343876	DG5V-8-H-2C-T-M-FPA5WL-B-10
02-339932	DG5V-8-H-2C-T-M-FTWL-B-1 0
02-325898	DG5V 8 H 2C T M FW B 10
02-344333	DG5V-8-H-2C-T-M-U-B-10
02-329228	DG5V 8 H 2C T M U HL 10
02-398009	DG5V-8-H-33C-M-U-H-10
02-390707	DG5V-8-H-6C-2-M-U-H-
02-363986	DG5V-8-H-6C-E-M-U-H-10
836AN00022A	DG5V-8-H-6C-M-FPA5WL-B-1 0
02-393544	DG5V-8-H-6C-M-FTWL-B-10
02-329168	DG5V 8 H 6C M FW B 10
02-364150	DG5V-8-H-6C-M-U-B-10
02-357537	DG5V 8 H 6C M U H 10
02-330411	DG5V-8-H-6C-T-M-FTWL-B-1 0
02-330476	DG5V 8 H 6C T M FW B 10
02-390269	DG5V-8-H-6C-T-M-U-B-10
836AN00261A	DG5V-8-H-6C-T-M-U-G-10
02-344392	DG5V-8-H-6C-T-M-U-H-10
02-344694	DG5V-8-H-8C-E-T-VM-U-B-1 0
02-343827	DG5V-8-H-8C-E-VM-FTWL-B- 10
02-342106	DG5V-8-H-8C-E-VM-FW-B-10
836AN00106A	DG5V-8-H-8C-E-VM-U-G-10
836AN00003A	DG5V-8-H-8C-R-VM-FW-B-10
836AN00126A	DG5V-8-H-8C-T-S-VM-U-G-1 0
02-344392	DG5V-8-H-6C-T-M-U-H-10
02-344694	DG5V-8-H-8C-E-T-VM-U-B-1 0

Part Number	Model Code
02-343827	DG5V-8-H-8C-E-VM-FTWL-B- 10
02-342106	DG5V-8-H-8C-E-VM-FW-B-10
836AN00106A	DG5V-8-H-8C-E-VM-U-G-10
836AN00003A	DG5V-8-H-8C-R-VM-FW-B-10
836AN00126A	DG5V-8-H-8C-T-S-VM-U-G-1 0
02-339498	DG5V-8-H-8C-VM-FW-B-10
836AN00120A	DG5V-8-H-8C-VM-FW-H-10
02-344733	DG5V 8 H-8C-VM-U-H-1
02-325864	DG5V-8-S-2A-M-FW-B-10
02-325865	DG5V 8 S 2A M U B 10
02-325867	DG5V 8 S 2A M U H 10
836AN00146A	DG5V-8-S-2A-M-X5-ER-10
02-329101	DG5V-8-S-2A-T-M-FTWL-B-1 0
02-357136	DG5V-8-S-2A-T-M-U-B-10
02-356855	DG5V-8-S-2C-2-M-U-B-10
02-329110	DG5V-8-S-2C-2-T-M-FW-B-1 0
02-361082	DG5V-8-S-2C-2-T-M-U-H-10
02-329112	DG5V 8 S 2C E M FW B 10
02-329121	DG5V-8-S-2C-M-FPA5WL-B-1 0
02-329123	DG5V 8 S 2C M FTWL B 10
02-329124	DG5V 8 S 2C M FW B 10
02-329127	DG5V 8 S 2C M U B 10
02-329129	DG5V 8 S 2C M U H 10
836AN00139A	DG5V-8-S-2C-T-K-M-X5-ER- 10
02-329239	DG5V-8-S-2C-T-M-FTWL-B-1 0
02-325899	DG5V 8 S 2C T M U B 10
02-329226	DG5V 8 S 2C T M U H 10
02-339249	DG5V-8-S-2N-M-U-B-10
02-344928	DG5V-8-S-2N-T-M-FPA5WL-B- -10
02-342570	DG5V-8-S-33C-T-M-FTWL-B- 10
02-329167	DG5V 8 S 6C M FW B 10
02-329169	DG5V 8 S 6C M U B 10
02-329170	DG5V 8 S 6C M U D 10
02-329172	DG5V 8 S 6C M U H 10
02-339875	DG5V-8-S-6C-T-M-FTWL-H-1 0
02-329180	DG5V 8 S 6C T M FW B 10
02-329181	DG5V 8 S 6C T M U B 10
02-329183	DG5V 8 S 6C T M U H 10
02-339261	DG5V-8-S-6C-T-M-X2-ER-10
836AN00138A	DG5V-8-S-6C-T-M-X5-ER-10
02-329273	DG5V-8-S-8C-T-S-VM-FW-B- 10
02-355454	DG5V-8-S-8C-VM-U-B-1
02-398534	DG5V-8-S-8C-VM-U-G-10

Food processing product guide

SystemStak® Modular Valves

SystemStak Modular Valves

These compact hydraulic systems feature modular valves that are “sandwich” mounted between a directional control valve and a standard mounting surface. These valves provide a compact hydraulic circuit at a reduced cost, eliminating interconnecting piping. Each valve “stack” can be configured to provide the specific system functions.

Applications: Machine tool and multiple industrial applications.

Specifications:

Rated Flow: Up to 340 lpm (90 gpm).

Rated Pressure: Up to 315 bar (4,500 psi).

Function: Relief, reducing, sequence, check, PO check, throttle, counterbalance.

Size: NG4-25 (D02-08)

Part Number	Model Code
694412	DGMFN 3 Y A2W B2W 41
694400	DGMPC 3 ABK BAK 41
694414	DGMFN 3 X A2W B2W 41
867364	DGMPC 5 ABK BAK 30
870040	DGMX2-3-PP-CW-S-40-
870039	DGMX2-3-PP-BW-S-40
870043	DGMFN 3 Z P2W 41
870024	DGMPC 3 ABK 41
869628	DGMC-2-3-AB-CW-BA-CW-41
694415	DGMDC-3-Y-PK-41-
02-108133	DGMC 3 BT GW 41
870268	DGMX2-3-PP-FW-S-40-
867335	DGMFN-5-X-A2W-B2W-30
867324	DGMX2-5-PP-BW-S-30
867341	DGMDC-5-Y-PK-30
694411	DGMFN 3 Y A1W B1W 41
870049	DGMX2-3-PB-CW-S-40-

