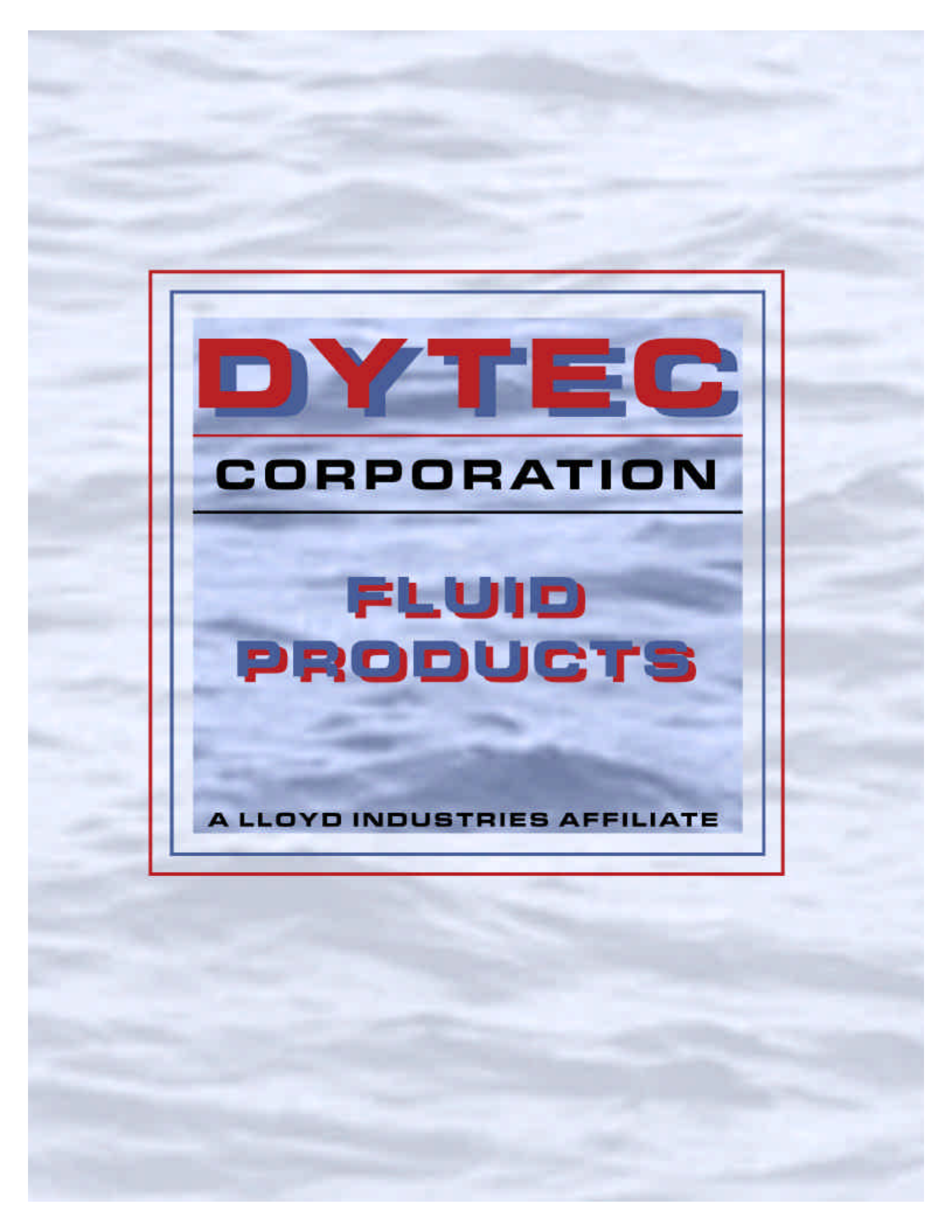




DYTEC

CORPORATION

**FLUID
PRODUCTS**

A LLOYD INDUSTRIES AFFILIATE

DYTEC FLUID PRODUCTS

This book contains valuable information about a variety of fluid products for use within a wide range of industries, including ultra clean applications in semiconductors and pharmaceuticals.

PNEUMATIC VALVES

We offer both stock and custom components, so if you don't see exactly what you need, please contact us.

DRAIN VALVES

AIR CYLINDERS

INTEGRATED FLUID CIRCUITS

HAND GUNS



Dytec Corporation is an affiliate of Lloyd Industries, Inc. that has been in the semi-conductor industry for over 20 years. Their controllers have become known throughout the industry for their highly specialized designs, reliability and competitiveness. Applying this same expertise to fluid products, Dytec designs and manufactures quality valve families, which provide purity and stability. Dytec is committed to satisfying its customers' needs and working together to meet the ever changing applications of the 21st Century.

DYTEC CORPORATION

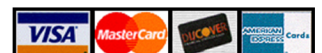
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**We stock a large variety of components
for same day shipment!**



AIR ACTIVATED DILUTION DRAIN VALVE

- ◆ ONE PIECE PTFE BODY
- ◆ INTEGRATED AIR CYLINDER
- ◆ SINGLE PISTON ACTIVATES DRAIN AND FRESH WATER
- ◆ COOLS AND DILUTES WHILE DRAINING
- ◆ MULTIPLE DRAIN RATIOS AVAILABLE
- ◆ SPRING RETURN OPTIONAL

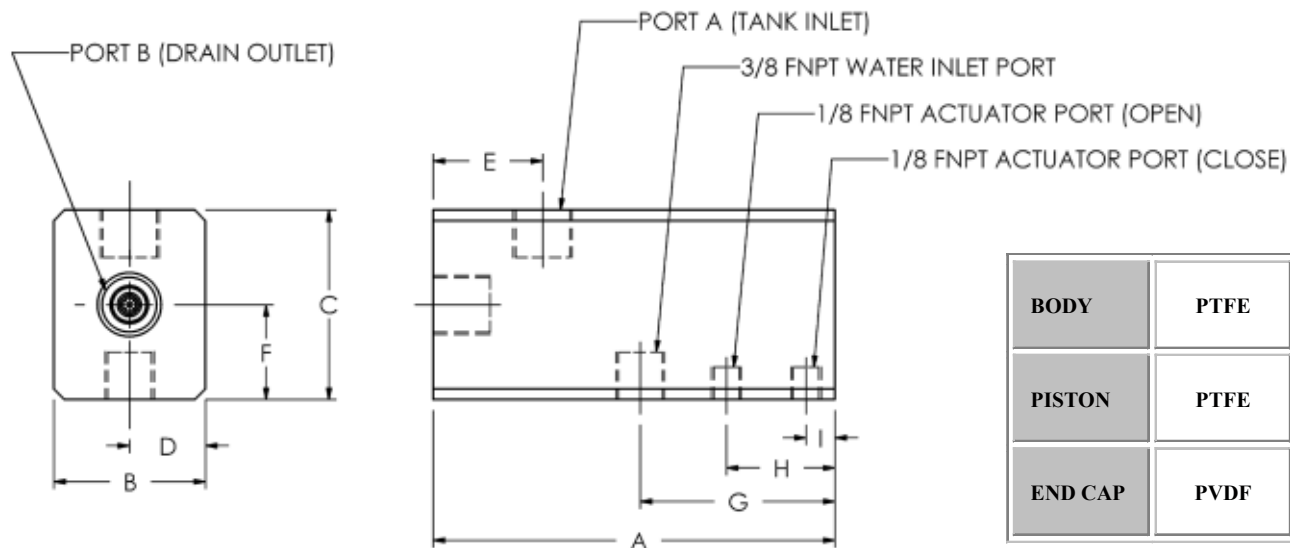


SPECIFICATIONS

Size	1/2"	3/4"
Dilution Ratio	2:1 to 20:1*	2:1 to 20:1 *
Vacuum Rating – Min/Max inches of Hg	21/27	21/27
Actuator Pressure – Min/Max PSIG (kPa)	40/60 (276/414)	40/60 (276/414)
City Water Pressure – Min/Max PSIG (kPa)	30/60 (207/414)	30/60 (207/414)
Max Temperature – Media °F (°C)	302 (150)	302 (150)
Max Temperature – Ambient °F (°C)	140 (60)	140 (60)

* (1) Higher ratios cause slower drain.

(2) User must be cautious of potential chemical reactions.



SIZE	A	B	C	D	E	F	G	H	I	PORT A	PORT B
1/2"	5.30	2.00	2.50	1.00	1.44	1.25	2.57	1.43	0.38	1/2 FNPT	1/2 FNPT
3/4"	5.30	2.00	2.50	1.00	1.44	1.25	2.57	1.43	0.38	3/4 FFNP	3/4 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

ADV	X	X	P	TFE	X	XXX
-----	---	---	---	-----	---	-----

OPTIONS: SR - Spring Return
- Non-Standard Options (Consult Factory)

SEALS: V - Viton®
E - Ethylene Propylene
K - Kalrez®

BODY MATERIAL: PTFE

CONNECTION: FNPT

SIZE: 08 - 1/2"
12 - 3/4"

DRAIN RATIO: 02 - 2:1 03 - 3:1
05 - 5:1 10 - 10:1
15 - 15:1 20 - 20:1

AIR ACTIVATED DILUTION DRAIN VALVE SERIES

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LS-DADV01-01

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AIR ACTIVATED TEFLON® ASPIRATOR

ONE PIECE VIRGIN PTFE BODY

EXCELLENT FOR SIPHONING
HARD TO HANDLE CHEMICALS

ELIMINATES THE CHEMICAL
DILUTION COMMON TO
LIQUID ASPIRATORS

ECONOMICALLY OPERATES
ON AIR

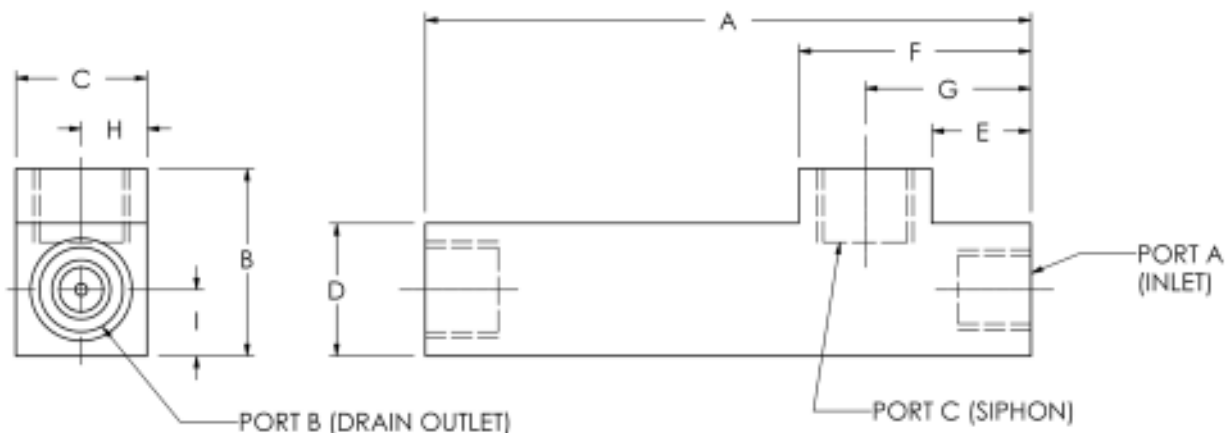
MEDIA BEING SIPHONED CAN
BE RECIRCULATED AND
RE-USED



SPECIFICATIONS

Size	3/8"	1/2"
Vacuum Rating – Min/Max inches of Hg	2.5/6.0	2.5/6.0
Air Pressure – Min/Max PSIG (kPa)	20/60 (138/414)	20/60 (138/414)
Flow Rate* – Min/Max GPM	0.5/1.0	0.5/1.0
Max Temperature – Media °F (°C)	302 (150)	302 (150)
Max Temperature – Ambient °F (°C)	140 (60)	140 (60)

- * (1) The best flow can be obtained by initiating the siphon by activating the Aspirator with 30 psi of air for 5-10 seconds. The air supply can then be stopped and the Aspirator will continue the siphoning action.
- (2) Viscosity variations in fluids being siphoned can cause variations in performance.



NOTE: FOR BEST SIPHON ACTION , ASPIRATOR SHOULD BE MOUNTED
APPROXIMATELY 14" BELOW POINT OF SUCTION.

SIZE	A	B	C	D	E	F	G	H	I	PORT A	PORT B	PORT C
3/8"	5.19	1.59	1.13	1.13	0.85	1.99	1.42	0.56	0.56	3/8 FNPT	1/2 FNPT	3/8 FNPT
1/2"	5.19	1.59	1.13	1.13	0.85	1.99	1.42	0.56	0.56	3/8 FNPT	1/2 FNPT	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

ASA	00	X	P	TFE	XXXX
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OPTIONS: #### - Non-Standard Options (Consult Factory)

BODY MATERIAL: PTFE

CONNECTION TYPE: FNPT

CONNECTION SIZE: 06 - 3/8"
08 - 1/2"

DILUTION RATIO: 00 - None

AIR ACTIVATED TEFLON® ASPIRATOR

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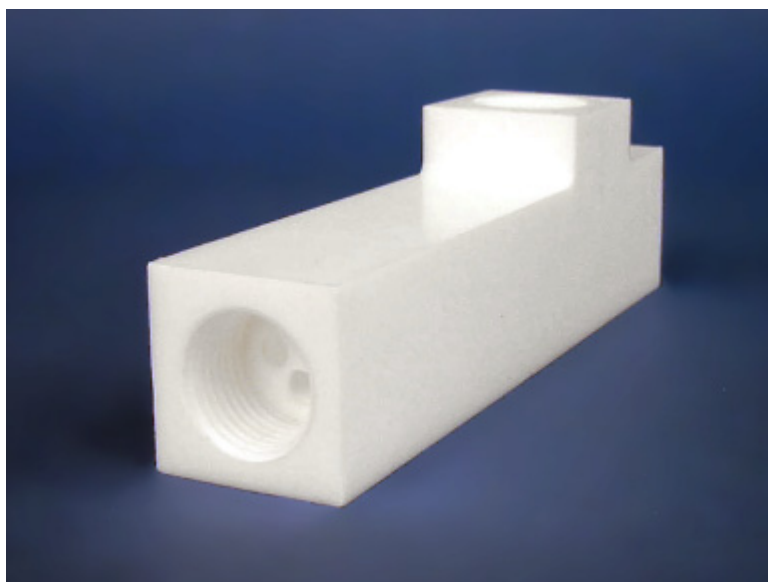
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LIQUID ACTIVATED TEFLON® ASPIRATOR

- ◆ ONE PIECE VIRGIN PTFE BODY
- ◆ EXCELLENT FOR SIPHONING HARD TO HANDLE CHEMICALS
- ◆ WILL EXTRACT HEATED FLUIDS AND DILUTE
- ◆ HAS NO SPECIFIC MOUNTING LOCATION
- ◆ DESIGNED FOR EFFICIENT AND RAPID SIPHONING



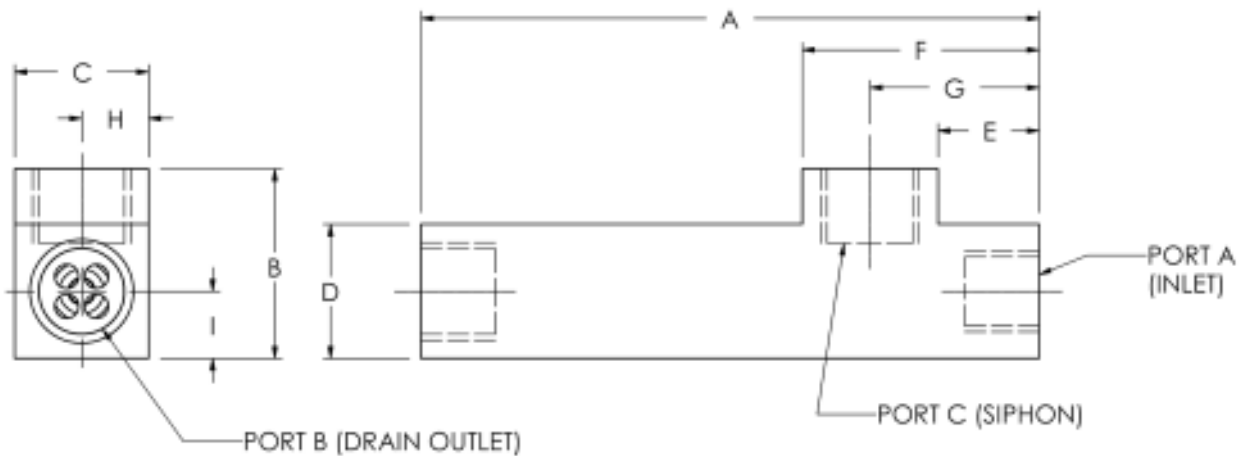
SPECIFICATIONS

Size	3/8"	1/2"
Vacuum Rating – Min/Max inches of Hg	5/18	5/18
Dilution Ratio*	1.25:1 to 2.50:1	1:1 to 2.50:1
City Water Pressure – Min/Max PSIG (kPa)	20/60 (138/414)	20/60 (138/414)
Flow Rate** – Min/Max GPM	1.0/4.0	1.0/4.0
Max Temperature – Media °F (°C)	302 (150)	302 (150)
Max Temperature – Ambient °F (°C)	140 (60)	140 (60)

* (1) Higher ratios cause slower drain.

(2) User must be cautious of potential chemical reactions.

** Viscosity variations in fluids being siphoned can cause variations in performance.



SIZE	A	B	C	D	E	F	G	H	I	PORT A	PORT B	PORT C
3/8"	5.19	1.59	1.13	1.13	0.85	1.99	1.42	0.56	0.56	3/8 FNPT	1/2 FNPT	3/8 FNPT
1/2"	5.19	1.59	1.13	1.13	0.85	1.99	1.42	0.56	0.56	3/8 FNPT	1/2 FNPT	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

ASL	02	X	P	TFE	XXXX
-----	----	---	---	-----	------

OPTIONS: #### - Non-Standard Options (Consult Factory)

BODY MATERIAL: PTFE

CONNECTION TYPE: FNPT

CONNECTION SIZE: 06 - 3/8"
08 - 1/2"

DILUTION RATIO: 02 - 2:1 (Standard)
05 - 5:1 (Optional)
10 - 10:1 (Optional)

LIQUID ACTIVATED TEFLON® ASPIRATOR

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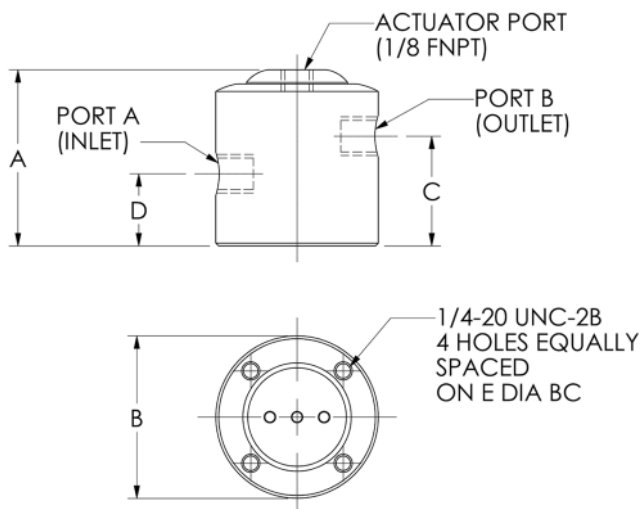
GENERAL PURPOSE PNEUMATIC VALVE

- ◆ ONE PIECE BODY
- ◆ CORROSION RESISTANT
- ◆ SPRING RETURN STANDARD
- ◆ IDEAL FOR WET BENCH APPLICATION
- ◆ DI WATER VALVE
- ◆ AVAILABLE IN VARIOUS MATERIALS TO MEET APPLICATION REQUIREMENTS



SPECIFICATIONS

Size	1/4" Orifice	1/2" Orifice	3/4" Orifice	1" Orifice
Cv	0.8	2.8	7.5	13.5
Max Pressure – Media (Port A) PSIG (kPa)	80 (552)	80 (552)	60 (414)	60 (414)
Actuator Pressure – Min/Max PSIG (kPa)	35/70 (241/483)	35/70 (241/483)	35/70 (241/483)	35/70 (241/483)
Max Temperature – Media °F (°C) PVC POLYPROPYLENE PVDF	140 (60) 160 (71) 212 (100)	140 (60) 160 (71) 212 (100)	140 (60) 160 (71) 212 (100)	140 (60) 160 (71) 212 (100)
Max Temperature – Ambient °F (°C)	140 (60)	140 (60)	120 (49)	120 (49)



BODY	PVC	POLY	PVDF
PISTON	PVC	POLY	PVDF
END CAP	PVC	POLY	PVDF

SIZE	A	B	C	D	E	PORT A	PORT B
1/4"	2.44	2.25	1.52	1.00	1.81	1/4 FNPT	1/4 FNPT
1/2"	2.78	2.75	1.69	0.96	2.00	1/2 FNPT	1/2 FNPT
3/4"	3.66	3.00	2.28	1.33	2.50	3/4 FNPT	3/4 FNPT
1"	4.43	4.00	3.83	1.69	3.44	1 FNPT	1 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

GPV	2	X	X	P	XXX	X	XXX
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OPTIONS: ### - Non-Standard Options (Consult Factory)

SEALS: V - Viton®
 E - Ethylene Propylene
 K - Kalrez®

BODY MATERIAL: PVC - PVC
 POL - Polypropylene
 PVD - PVDF

CONNECTION: FNPT

ORIFICE & PORT: 4 - 1/4" 8 - 1/2"
 12 - 3/4" 16 - 1"

VALVE CONFIGURATION:
 C - Normally Closed
 O - Normally Open

2 WAY

GENERAL PURPOSE PNEUMATIC VALVE SERIES

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LS-DGPV01-01

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INTEGRATED FLUID CIRCUIT IFC™ -1000

- ◆ 4 CHANNEL DISPENSE SYSTEM
- ◆ INTEGRATED DI AND N₂ PURGE
- ◆ FLUID PATH 100% PTFE
- ◆ REPLACES 15 VALVES
- ◆ ELIMINATES DOZENS OF FITTINGS
- ◆ MAIN MANUAL SHUT OFF
- ◆ INDIVIDUAL CHANNEL MANUAL SHUT OFFS
- ◆ EACH VALVE HAS A POSITION INDICATOR
- ◆ FLARED FITTINGS ON ALL INLETS AND OUTLETS
- ◆ CONVENIENT FRONT PANEL MOUNTING
- ◆ COMPLETELY SERVICEABLE IN PLACE
- ◆ SMALLER FOOTPRINT
⇒ SAVES SPACE
- ◆ NO ASSEMBLY + EASY HOOKUP ⇒ MAJOR LABOR SAVINGS
- ◆ COSTS NO MORE THAN THE COMPONENT PARTS IT REPLACES



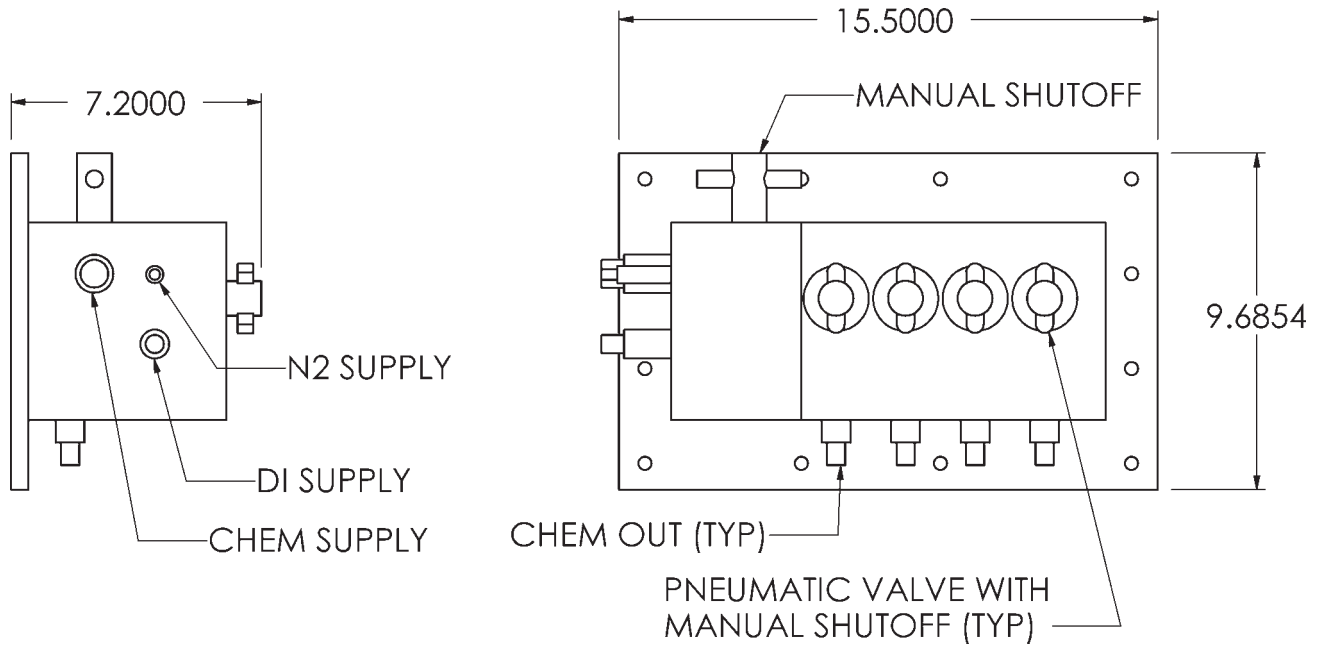
THE FUTURE OF FLUID HANDLING IS HERE

Just as electronic integrated circuits replaced discrete components, this series replaces discrete valves, providing the same labor savings and quality improvements. Dozens of connections are eliminated (less leaks). No assembly labor is required (just hookup).

The IFC™ -1000 is a full 4 channel dispense system, complete with DI and N₂ purge, integrated into one package. It is one member of a family of high quality, ultra clean replacements for older discrete systems.

The short, straight fluid path layout adds to the ultra clean design, with far fewer points to trap contaminants and dozens fewer connections to leak. The benefits to cleanliness, performance and service are remarkable.

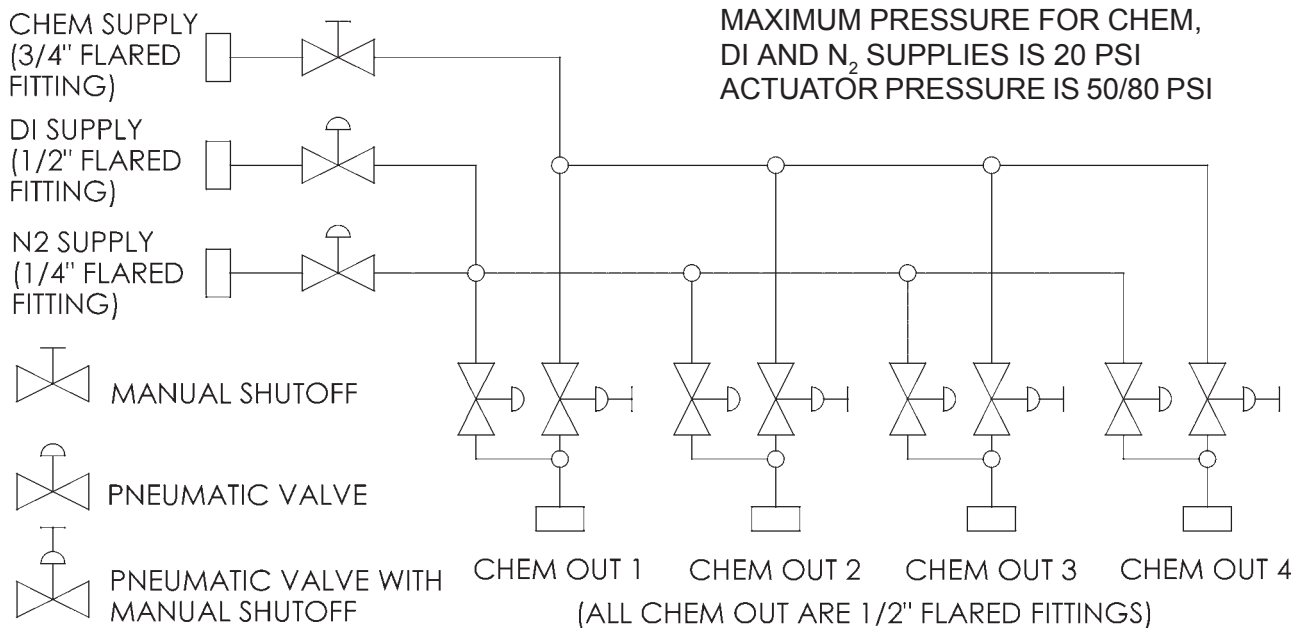
PHYSICAL LAYOUT



Specifications subject to change without notice.

All dimensions are in inches.

PLUMBING LAYOUT



LS-DIFC01-01

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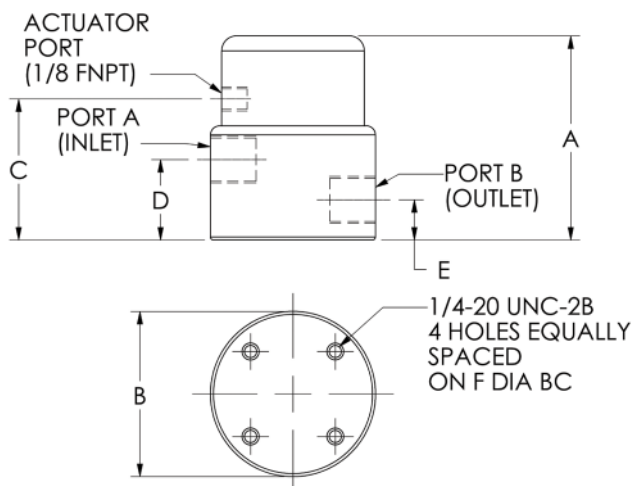
MULTI-PURPOSE PNEUMATIC VALVE

- ◆ ONE PIECE BODY
- ◆ CORROSION RESISTANT
- ◆ NO LUBRICANTS OR METAL IN FLUID PATH
- ◆ EXCELLENT DI WATER VALVE
- ◆ HIGH FLOW CAPACITY
- ◆ IDEAL FOR WET BENCH APPLICATION
- ◆ “MICRO ADJUST” BYPASS OPTION



SPECIFICATIONS

Size		3/8" Orifice	1/2" Orifice	3/4" Orifice	1" Orifice
Cv		2.1	2.8	7.5	13.5
Max Pressure –	Media (Port A) PSIG (kPa)	75 (517)	75 (517)	60 (414)	60 (414)
Max Pressure –	Media (Port B) PSIG (kPa)	45 (310)	45 (310)	10 (69)	10 (69)
Actuator Pressure –	Min/Max PSIG (kPa)	40/80 (276/552)	40/80 (276/552)	40/80 (276/552)	40/80 (276/552)
Max Temperature –	Media °F (°C)	140 (60) 160 (71) 212 (100) 350 (177)	140 (60) 160 (71) 212 (100) 350 (177)	140 (60) 160 (71) 212 (100) 350 (177)	140 (60) 160 (71) 212 (100) 350 (177)
Max Temperature –	Ambient °F(°C)	140 (60)	140 (60)	120 (49)	120 (49)



BODY	PVC	POLY	PVDF	PTFE
BELLOWS	PTFE		PTFE	
BACKING PLATE	PTFE		PTFE	
PISTON	POLYPROPYLENE		PVDF	PVDF
END CAP	POLYPROPYLENE		PVDF	
SPRING	302 SS		302 SS TEFLON® COATED	

SIZE	A	B	C	D	E	F	PORT A	PORT B
3/8"	3.40	2.75	2.35	1.34	0.65	2.00	3/8 FNPT	3/8 FNPT
1/2"	3.40	2.75	2.35	1.34	0.65	2.00	1/2 FNPT	1/2 FNPT
3/4"	4.85	4.00	3.47	2.16	1.00	3.00	3/4 FNPT	3/4 FNPT
1"	4.85	4.00	3.47	2.16	1.00	3.00	1 FNPT	1 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

MPV	2	X	X	P	XXX	X	XXX
-----	---	---	---	---	-----	---	-----

OPTIONS: MA - Micro Adjust RC - Restricted Close
 RO - Restricted Open RB - Restricted Both
 # # # - Non-Standard Options (Consult Factory)

SEALS: V - Viton®
 E - Ethylene Propylene
 K - Kalrez®

BODY MATERIAL: PVC - PVC
 POL - Polypropylene
 PVD - PVDF
 TFE - PTFE

CONNECTION: FNPT

ORIFICE & PORT: 6 - 3/8" 8 - 1/2"
 12 - 3/4" 16 - 1"

VALVE CONFIGURATION:
 C - Normally Closed
 O - Normally Open

2 WAY

MULTI-PURPOSE PNEUMATIC VALVE SERIES

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LS-DMPV01-01

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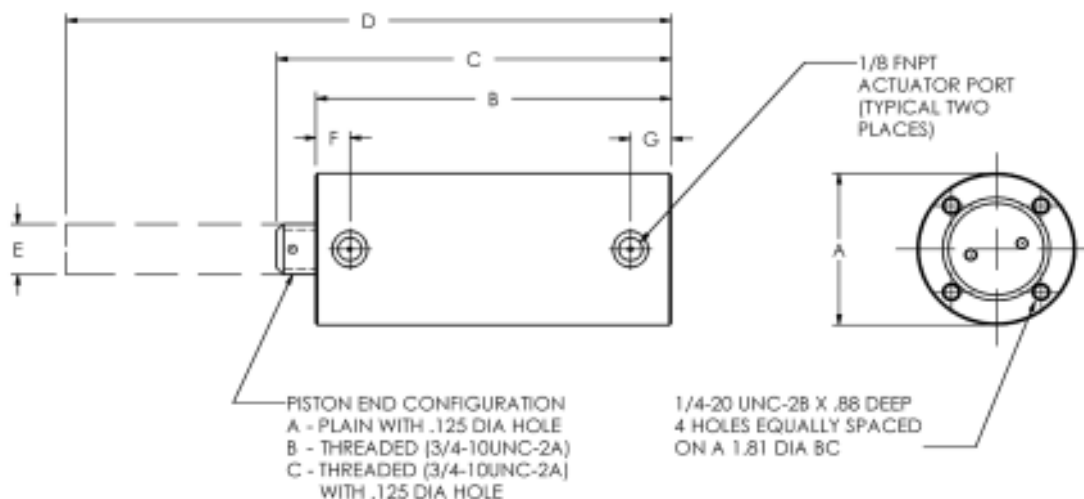
PNEUMATIC AIR CYLINDER

- ◆ ONE PIECE BODY
- ◆ CORROSION RESISTANT
- ◆ PVC, POLYPROPYLENE OR PVDF CONSTRUCTION
- ◆ STROKE LENGTHS FROM 1 TO 4 INCHES
- ◆ VARIOUS PISTON END CONFIGURATIONS
- ◆ INTEGRATED MOUNTING HOLES



SPECIFICATIONS

Size	1"	2"	3"	4"
Stroke – inches (mm)	1 (25)	2 (51)	3 (76)	4 (102)
Bore – inches (mm)	1.25 (32)	1.25 (32)	1.25 (32)	1.25 (32)
Actuator Pressure – Min/Max PSIG (kPa)	20/60 (138/414)	20/60 (138/414)	20/60 (138/414)	20/60 (138/414)
Max Temperature – Ambient °F (°C) PVC POLYPROPYLENE PVDF	140 (60) 160 (71) 212 (100)	140 (60) 160 (71) 212 (100)	140 (60) 160 (71) 212 (100)	140 (60) 160 (71) 212 (100)
Piston End Configuration	Plain w/Hole Threaded Threaded w/Hole			



STROKE	A	B	C	D	E	F	G
1"	2.25	2.57	3.13	4.13	0.748 ^{+.000} _{-.002}	0.49	0.58
2"	2.25	3.57	4.13	6.13	0.748 ^{+.000} _{-.002}	0.49	0.58
3"	2.25	4.57	5.13	8.13	0.748 ^{+.000} _{-.002}	0.49	0.58
4"	2.25	5.57	6.13	10.13	0.748 ^{+.000} _{-.002}	0.49	0.58

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

PAC	X.X	X	XXX	X	XXX
OPTIONS: ### - Non-Standard Options (Consult Factory) SEALS: V - Viton® E - Ethylene Propylene K - Kalrez® BODY MATERIAL: PVC - PVC POL - Polypropylene PVD - PVDF PISTON END CONFIGURATION: A - Plain w/Hole B - Threaded C - Threaded w/Hole N - Non-Standard STROKE: 1.0 - 1 inch 2.0 - 2 inch 3.0 - 3 inch 4.0 - 4 inch					
PNEUMATIC AIR CYLINDER SERIES					

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LS-DPAC01-01

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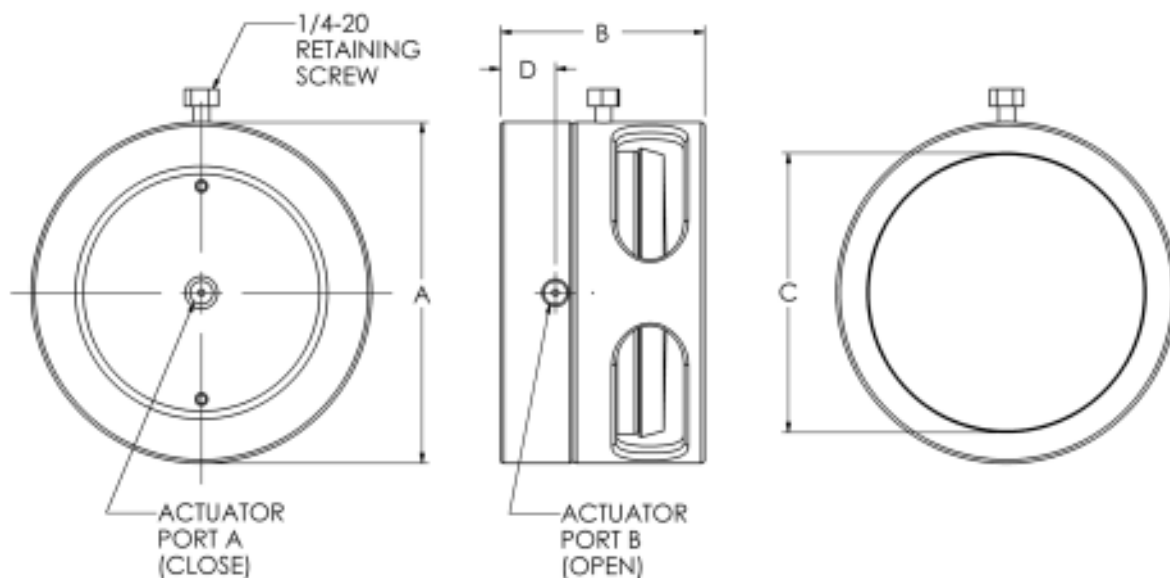
QUICK DUMP VALVE

- ◆ LARGE DRAINAGE CAPACITY
- ◆ POLYPROPYLENE OR PVDF CONSTRUCTION
- ◆ STANDARD WELDING RING MOUNTING
- ◆ EASY TO SERVICE—SIMPLY UNSCREWS
- ◆ SPRING RETURN OPTIONAL
- ◆ LONG-LIFE, HARD-TAPERED SEAL



SPECIFICATIONS

Size		2"	4"	4" High Flow
Body Diameter –	inches (mm)	3.0 (76)	5.0 (127)	5.0 (127)
Door Diameter –	inches (mm)	2.5 (64)	4.0 (102)	4.0 (102)
Stroke –	inches (mm)	0.65 (17)	0.65 (17)	1.25 (32)
Max Pressure –	inches of H ₂ O (mm of H ₂ O)	25 (635)	25 (635)	25 (635)
Actuator Pressure –	Min/Max PSIG (kPa)	60/70 (414/483)	45/70 (310/483)	45/70 (310/483)
Max Temperature –	Media °F (°C) POLYPROPYLENE PVDF	160 (71) 212 (100)	160 (71) 212 (100)	160 (71) 212 (100)
Max Temperature –	Ambient °F (°C) POLYPROPYLENE PVDF	160 (71) 212 (100)	160 (71) 212 (100)	160 (71) 212 (100)



SIZE	A	B	C	D	PORT A	PORT B
2"	3.00	3.00	2.00	0.81	1/8 FNPT	1/8 FNPT
4"	5.00	3.00	4.00	0.81	1/8 FNPT	1/8 FNPT
4" HIGH FLOW	5.00	4.00	4.00	1.50	1/8 FNPT	1/8 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

QDV X X X XXX X XXX

OPTIONS: ### - Non-Standard Options
(Consult Factory)

SEALS: V - Viton®
 E - Ethylene Propylene
 K - Kalrez®

MATERIAL: POL - Polypropylene
 PVD - PVDF

CLOSURE: 0 - Air
 1 - Spring

FLOW: 0 - Standard
 1 - High

SIZE: 2 - 2"
 4 - 4"

QUICK DUMP VALVE SERIES

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LS-DQDV01-01

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TEFLON® DI SPRAY GUN

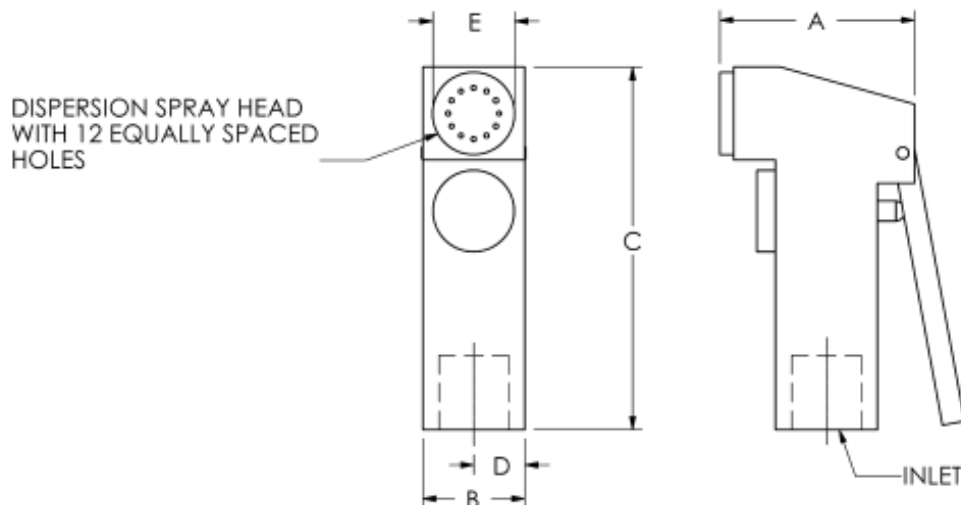
- ◆ ONE PIECE VIRGIN PTFE BODY
- ◆ POLYPROPYLENE ACTUATOR
- ◆ VARIOUS INLET THREAD SIZES
- ◆ EXCELLENT FOR ACIDIC OR CORROSIVE ENVIRONMENTS
- ◆ EXCELLENT FOR WET BENCH AND WORK PROCESSING STATION APPLICATIONS
- ◆ COMFORTABLE HANDLE DESIGN



SPECIFICATIONS

Hose Fitting Size	1/4"	3/8"	1/2"
Flow Rate – GPM (at 40 PSI)	1.5	1.5	1.5
Max Pressure – PSIG (kPa)	75 (517)	75 (517)	75 (517)
Max Temperature – Media °F (°C)	160 (71)	160 (71)	160 (71)

Body	Virgin PTFE	Nozzle	PTFE
Handle	Polypropylene	Actuator Cap	Polypropylene
Actuator	Polypropylene	Spring	302 SS, Teflon® Coated



SIZE	A	B	C	D	E	INLET
1/4"	2.10	1.13	3.90	0.55	0.88	1/4 FNPT
3/8"	2.10	1.13	3.90	0.55	0.88	3/8 FNPT
1/2"	2.10	1.13	3.90	0.55	0.88	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

THG	DN	X	P	TFE	X	XXXX
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OPTIONS: #### - Non-Standard Options (Consult Factory)

SEALS: V - Viton®
E - Ethylene Propylene
K - Kalrez®

BODY MATERIAL: PTFE

CONNECTION TYPE: FNPT

CONNECTION SIZE: 4 - 1/4"
6 - 3/8"
8 - 1/2"

DI SPRAY GUN -- NONRECIRCULATING

TEFLON® HAND GUN

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LS-DTDN01-01

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102 Compass Point Dr., Suite D
St. Charles, MO 63301
636-949-5600 Fax: 636-724-2492
www.dytec.com

TEFLON® DI RECIRCULATING SPRAY GUN

- ◆ ONE PIECE VIRGIN PTFE BODY
- ◆ HIGH PURITY FLUID PATH
- ◆ NO O-RINGS TO ALLOW CONTAMINATION
- ◆ FLUID RECIRCULATES WHEN NOT IN USE, FLOWING BACK DOWN A PARALLEL PATH TO VIRTUALLY ELIMINATE BACTERIA BUILDUP IN THE GUN
- ◆ EXCELLENT FOR ACIDIC OR CORROSIVE ENVIRONMENTS
- ◆ COMFORTABLE HANDLE DESIGN

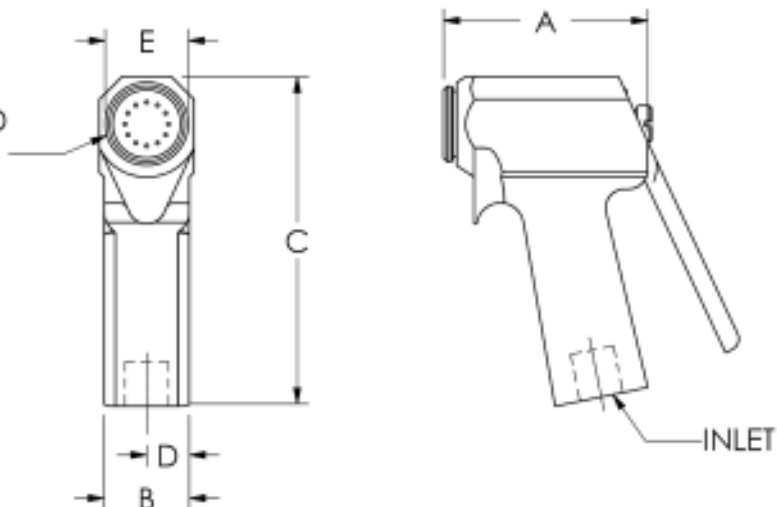


SPECIFICATIONS

Hose Fitting Size	3/8"	1/2"
Flow Rate – GPM (at 40 PSI)	3.0	3.0
Max Pressure – PSIG (kPa)	75 (517)	75 (517)
Max Temperature – Media °F (°C)	160 (71)	160 (71)

Body	Virgin PTFE	Nozzle	PTFE
Handle	Polypropylene	Diaphragm	PTFE
Actuator Assembly	Polypropylene	Spring	302 SS, Teflon® Coated

DISPERSION SPRAY HEAD
WITH 12 EQUALLY SPACED
HOLES



SIZE	A	B	C	D	E	INLET
3/8"	2.75	1.10	4.55	0.55	0.99	3/8 FNPT
1/2"	2.75	1.10	4.55	0.55	0.99	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

THG	DR	X	P	TFE	XXXX
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OPTIONS: ##### - Non-Standard Options (Consult Factory)

BODY MATERIAL: PTFE

CONNECTION TYPE: FNPT

CONNECTION SIZE: 6 - 3/8"
8 - 1/2"

DI SPRAY GUN - RECIRCULATING

TEFLON® HAND GUN

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LS-DTDR01-01

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TEFLON® LIQUID DISPENSE GUN

- ◆ ONE PIECE VIRGIN PTFE BODY
- ◆ PVDF ACTUATOR
- ◆ VARIOUS INLET THREAD SIZES
- ◆ EXCELLENT FOR ACIDIC OR CORROSIVE ENVIRONMENTS
- ◆ EXCELLENT FOR WET BENCH AND WORK PROCESSING STATION APPLICATIONS
- ◆ COMFORTABLE HANDLE DESIGN
- ◆ ISOLATED SPRING



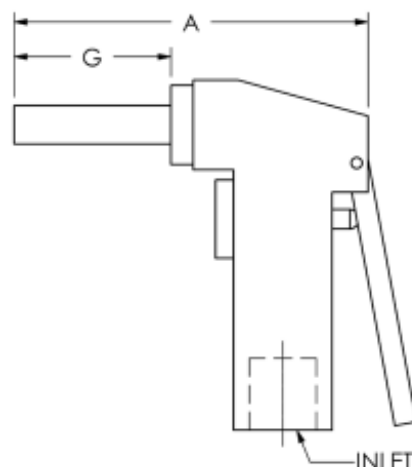
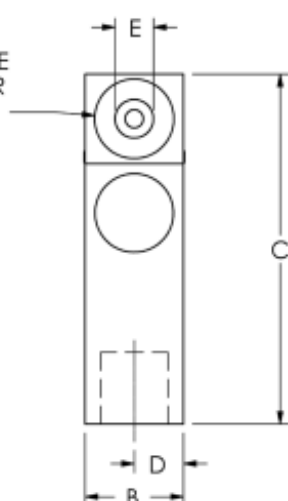
SPECIFICATIONS

Hose Fitting Size	1/4"	3/8"	1/2"
Flow Rate – GPM (at 20 PSI)	1.3	1.3	1.3
Max Pressure – PSIG (kPa)	75 (517)	75 (517)	75 (517)
Max Temperature – Media °F (°C)	160 (71)	160 (71)	160 (71)

Body	Virgin PTFE	Nozzle	PTFE
Handle	Polypropylene	Actuator Cap	Polypropylene
Actuator	PVDF	Spring	Isolated 302 SS, Teflon® Coated

O-Ring Material	Use
Ethylene Propylene	Solvents
Viton®	Most Acids
Kalrez®	Highly Aggressive Fluids

DISPENSE NOZZLE
WITH F DIAMETER
HOLE



SIZE	A	B	C	D	E	F	G	INLET
1/4"	3.95	1.13	3.90	0.55	0.43	0.19	1.75	1/4 FNPT
3/8"	3.95	1.13	3.90	0.55	0.43	0.19	1.75	3/8 FNPT
1/2"	3.95	1.13	3.90	0.55	0.43	0.19	1.75	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

THG	LD	X	P	TFE	X	XXXX
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OPTIONS: ##### - Non-Standard Options (Consult Factory)

SEALS: V - Viton®
E - Ethylene Propylene
K - Kalrez®

BODY MATERIAL: PTFE

CONNECTION TYPE: FNPT

CONNECTION SIZE: 4 - 1/4"
6 - 3/8"
8 - 1/2"

LIQUID DISPENSE GUN

TEFLON® HAND GUN

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LS-DTLD01-01

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TEFLON® N₂ SPRAY GUN - RIGHT ANGLE

- ◆ ONE PIECE VIRGIN PTFE BODY
- ◆ POLYPROPYLENE ACTUATOR
- ◆ VARIOUS INLET THREAD SIZES
- ◆ EXCELLENT FOR ACIDIC OR CORROSIVE ENVIRONMENTS
- ◆ EXCELLENT FOR WET BENCH AND WORK PROCESSING STATION APPLICATIONS
- ◆ COMFORTABLE HANDLE DESIGN
- ◆ REPLACEABLE FILTER

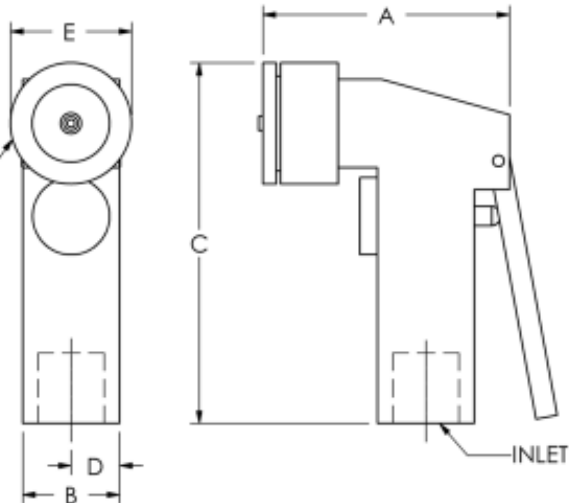


SPECIFICATIONS

Hose Fitting Size	1/4"	3/8"	1/2"
Flow Rate – SCFM (at 60 PSI)	2.0	2.0	2.0
Max Pressure – PSIG (kPa)	90 (621)	90 (621)	90 (621)
Max Temperature – Media °F (°C)	160 (71)	160 (71)	160 (71)

Body	Virgin PTFE	Nozzle	Polypropylene
Handle	Polypropylene	Actuator Cap	Polypropylene
Actuator	Polypropylene	Spring	302 SS, Teflon® Coated

FILTER HOUSING
WITH REPLACEABLE
CO-POLYMER FILTER
(PART NUMBER FY01-N201)



SIZE	A	B	C	D	E	INLET
1/4"	2.80	1.13	4.09	0.55	1.38	1/4 FNPT
3/8"	2.80	1.13	4.09	0.55	1.38	3/8 FNPT
1/2"	2.80	1.13	4.09	0.55	1.38	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

THG	NR	X	P	TFE	X	XXXX
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OPTIONS: #### - Non-Standard Options (Consult Factory)

SEALS:
V - Viton®
E - Ethylene Propylene
K - Kalrez®

BODY MATERIAL: PTFE

CONNECTION TYPE: FNPT

CONNECTION SIZE:
4 - 1/4"
6 - 3/8"
8 - 1/2"

NITROGEN SPRAY GUN -- RIGHT ANGLE

TEFLON® HAND GUN

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TEFLON® PNEUMATIC VALVE

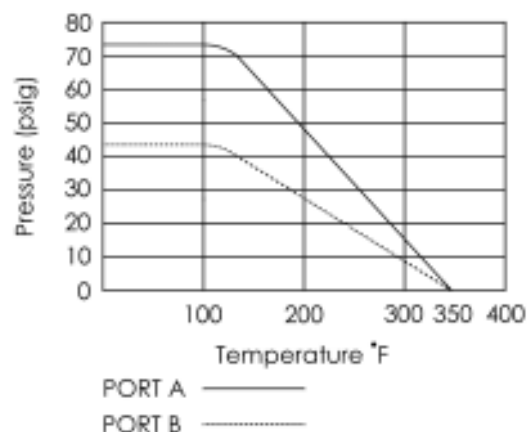
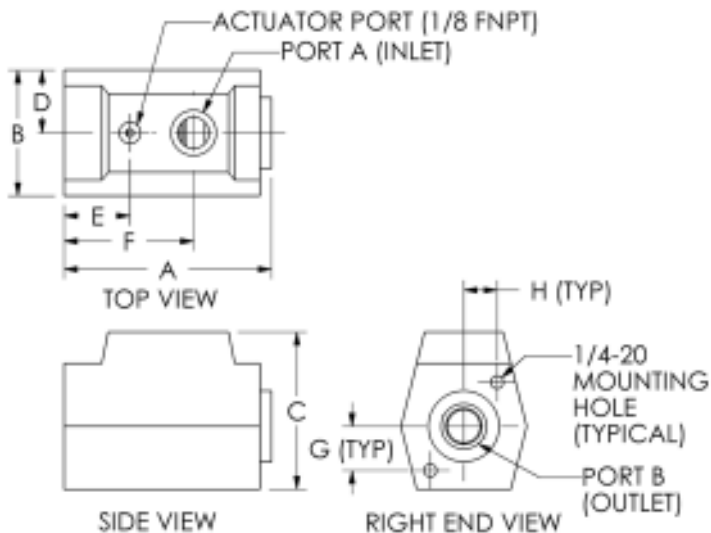
- ◆ ONE PIECE VIRGIN PTFE BODY
- ◆ ALL WETTED PARTS VIRGIN PTFE
- ◆ NO LUBRICANTS OR METAL IN FLUID PATH
- ◆ EXCELLENT DI WATER VALVE
- ◆ EXCELLENT ACID VALVE
- ◆ “MICRO ADJUST” BYPASS OPTION



SPECIFICATIONS

Size		1/2" Orifice	3/4" Orifice	1" Orifice
Cv		2.8	7.5	13.5
Max Pressure –	Media (Port A) PSIG (kPa)	75 (517)	60 (414)	60 (414)
Max Pressure –	Media (Port B) PSIG (kPa)	45 (310)	10 (69)	10 (69)
Actuator Pressure –	Min/Max PSIG (kPa)	50/80 (345/552)	50/80 (345/552)	50/80 (345/552)
Max Temperature –	Media °F (°C)	350 (177)	302 (150)	302 (150)
Max Temperature –	Ambient °F (°C)	140 (60)	140 (60)	140 (60)

Body	Virgin PTFE	Piston	PVDF / PTFE
Bellows	Virgin PTFE	End Cap	Polypropylene
Backing Plate	Virgin PTFE	Spring	302 SS, Teflon® Coated



SIZE	A	B	C	D	E	F	G	H	PORT A	PORT B
1/2"	3.30	2.00	2.50	1.00	1.05	2.06	0.70	0.53	1/2 FNPT	1/2 FNPT
3/4"	4.50	3.00	3.50	1.50	1.38	2.69	1.21	0.85	3/4 FNPT	3/4 FNPT
1"	4.50	3.00	3.50	1.50	1.38	2.69	1.21	0.85	1 FNPT	1 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

TPV	2	X	X	P	TFE	X	XXX
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OPTIONS: MA - Micro Adjust RC - Restricted Close
RO - Restricted Open RB - Restricted Both
- Non-Standard Options (Consult Factory)

SEALS: V - Viton®
E - Ethylene Propylene
K - Kalrez®

BODY MATERIAL: PTFE

CONNECTION: FNPT

ORIFICE & PORT: 8 - 1/2"
12 - 3/4"
16 - 1"

VALVE CONFIGURATION:
C - Normally Closed
O - Normally Open

2 WAY

TEFLON® PNEUMATIC VALVE SERIES

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LS-DTPV01-01

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102 Compass Point Dr., Suite D
St. Charles, MO 63301
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www.dytec.com

WATER ACTIVATED DILUTION DRAIN VALVE

- g **REQUIRES ONLY 30 PSI OF WATER TO OPERATE**
- g **FAILSAFE DESIGN CLOSSES VALVE AUTOMATICALLY WHEN WATER PRESSURE IS DEACTIVATED**
- g **ELIMINATES NEED FOR DIRECT OPERATOR INTERFACE WHILE DRAINING TANK**
- g **COOLS AND DILUTES WHILE DRAINING**
- g **MULTIPLE DRAIN RATIOS AVAILABLE**

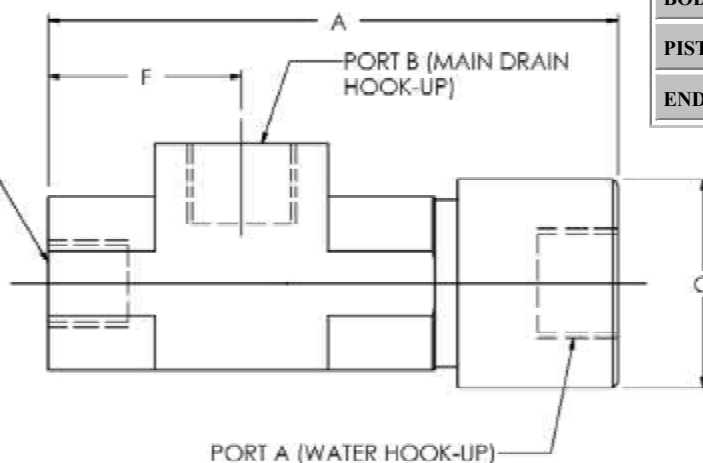
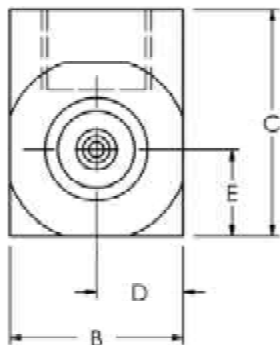


SPECIFICATIONS

Size	1/2"	3/4"
Dilution Ratio*	2:1 6:1 10:1 20:1	2:1 6:1 10:1 20:1
Vacuum Rating – Min/Max inches of Hg	21/27	21/27
City Water Pressure – Min/Max PSIG (kPa)	30/60 (207/414)	30/60 (207/414)
Max Temperature – Media °F (°C)	302 (150)	302 (150)
Max Temperature – Ambient °F (°C)	212 (100)	212 (100)

- * (1) Higher ratios cause slower drain.
(2) User must be cautious of potential chemical reactions.

PORT C
(DISCHARGE HOOK-UP)



BODY	PTFE
PISTON	PTFE
END CAP	PVDF

SIZE	A	B	C	D	E	F	G	PORT A	PORT B	PORT C
1/2"	5.32	1.62	2.12	0.81	0.81	1.81	1.95	3/8 FNPT	1/2 FNPT	1/2 FNPT
3/4"	5.32	1.62	2.12	0.81	0.81	1.81	1.95	3/8 FNPT	3/4 FNPT	1/2 FNPT

Specifications subject to change without notice.

All dimensions are in inches.

ORDERING INFORMATION

WDV	X	X	P	TFE	X	XXX
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OPTIONS: ### - Non-Standard Options (Consult Factory)

SEALS: V - Viton®
E - Ethylene Propylene
K - Kalrez®

BODY MATERIAL: PTFE

CONNECTION: FNPT

SIZE: 08 - 1/2"
12 - 3/4"

DRAIN RATIO: 02 - 2:1 06 - 6:1
10 - 10:1 20 - 20:1

WATER ACTIVATED DILUTION DRAIN VALVE SERIES

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