Filters



FW, F, and TF Series

- Remove system particulate contaminants
- Gas and liquid service
- 1/8 to 1/2 in. and 3 to 12 mm end connections
- Stainless steel and brass materials

FLTERS

Features

All-Welded Inline Filters (FW Series)

- All-welded construction provides reliable fluid containment.
- Inline filters are for use where space is limited.
- Filter is easily cleaned by backflushing.
- Sintered element is available in 0.5 μm nominal pore size; pleated mesh elements are available in 2, 7, and 15 μm nominal pore sizes.
- End connections include Swagelok® tube fittings, NPT, and male VCR® face seal fittings.

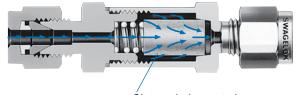
Body-to-element weld prevents bypass flow



Pleated element shown; sintered element available

Inline Filters (F Series)

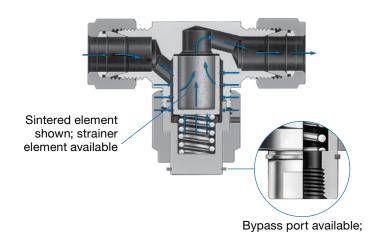
- Inline filters are for use where space is limited.
- Replaceable sintered elements are available in 0.5, 2, 7, 15, 60, and 90 μm nominal pore sizes; replaceable strainer elements are available in 40, 140, 230, and 440 μm nominal pore sizes.
- End connections include Swagelok tube fittings, NPT, tube adapter, and male VCR face seal fittings.



Sintered element shown; strainer element available

Tee-Type Filters (TF Series)

- Filter element can be replaced without removing body from system.
- Replaceable sintered elements are available in 0.5, 2, 7, 15, 60, and 90 µm nominal pore sizes; replaceable strainer elements are available in 40, 140, 230, and 440 µm nominal pore sizes.
- End connections include Swagelok tube fittings, NPT, and tube socket or tube butt weld ends.
- Select TF series filters are available with ECE R110-type approval for use in alternative fuel service. See Options and Accessories, page 957.



Filter Elements

FW Series

Sintered



- Traps particles as small as 0.5 µm in diameter
- 316L SS construction

Pleated Mesh



Retainer

Pleated



Retainer screen

element

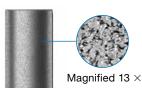
Offers larger filtration area

mesh

Stainless steel construction

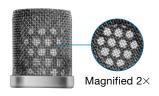
F and TF Series

Sintered



- Traps fine particles in a dense matrix
- 316 SS construction

Strainer



see page 957

- Removes larger particles
- 316 SS construction



Pressure-Temperature Ratings

Ratings are based on standard materials of construction. Ratings for TF series filters with PCTFE gaskets are limited to 200°F and 3000 psig (93°C and 206 bar). See page 957.

Filter Series	FW, TF	2F, 4F	6F, 8F	F	TF
Material		316 SS		Bra	ass
Temperature, °F (°C)		Workin	g Pressure, p	sig (bar)	
-20 (-28) to 100 (37)	6000 (413)	3000 (206)	2500 (172)	1000 (68.9)	2000 (137)
200 (93)	5160 (355)	2580 (177)	2150 (148)	780 (53.7)	1730 (119)
300 (148)	4660 (321)	2330 (160)	1940 (133)	680 (46.8)	1470 (101)
400 (204)	4280 (294)	2140 (147)	1780 (122)		—
500 (260)	3980 (274)	1990 (137)	1660 (114)		_
600 (315)	3760 (259)	1880 (129)	1560 (107)		_
650 (343) 700 (371)	3700 (254) 3600 (248)	1845 (127) 1800 (124)	1540 (106) 1500 (103)		
750 (398)	3520 (242)	1760 (121)	1460 (100)	_	_
800 (426)	3460 (238)	1725 (118)	1440 (99.2)	_	_
850 (454)	3380 (232)	1690 (116)	1410 (97.1)	_	_
900 (482)	3280 (225)	1640 (112)	1360 (93.7)	_	_

Differential Pressure Ratings

	Maximum Differential Pressure psig (bar)					
Filter Series	Sintered Element	Strainer Element	Pleated Element			
FW	600 (41.3)	_	100 (6.8)			
F, TF	1000	-				

Materials of Construction

		Filter Body	/ Materials	
	Filter	Brass ^①	316 SS	
Component	Series	Material Grade/AS	STM Specification	
Bonnet nut	TF	Brass/B16	316 SS/A479	
Bonnet	TF	Brass/B16	316 SS/A479	
Retainer screens (2)	FW	_	316 SS	
			0.5 μm size— 316L SS	
Element	FW	_	2, 7, and 15 μm size— 316 SS	
	<i></i>	Sintered — 316 SS		
	F, TF	Strainer-316 SS with silver solder		
Spring	F, TF	302	SS	
Gasket	F, TF	Aluminum/B209	Silver-plated 316 SS/A240	
Body	Body All		316 SS/A479	
Retaining ring	TF	PH 15-7 Mo® SS		
Lubricant	F	Silicone	e-based	

Wetted components listed in italics.

Filtration Area

Filter Series	Sintered Element in. ² (mm ²)	Strainer Element in. ² (mm ²)	Pleated Element in. ² (mm ²)
FW	0.44 (283)	_	2.25 (1450)
2F	0.55 (350)	_	_
4F, 2TF, 4TF	1.3 (830)	1.0 (640)	_
6F, 8F, 6TF, 8TF	2.0 (1280)	1.7 (1090)	_

① FW series filters not available in brass.

Flow Data at 70°F (20°C)

FW Series

		Element	Inlet Pressure, ^① psig (bar)			Pressure Drop, psi (bar)			
End Connection	s	Nominal Pore Size	5 (0.34)	10 (0.68)	15 (1.0)	10 (0.68)	50 (3.4)	100 (6.8)	
Inlet/Outlet	Size	μm	Air Flow, std ft ³ /min (std L/min)			Water Flow, U.S. gal/min (L/min)			
Swagelok tube fittings,	1/4 in.,	0.5	0.04 (1.1)	0.06 (1.7)	0.12 (3.4)	0.01 (0.03)	0.04 (0.15)	0.12 (0.45)	
male VCR fittings	6 mm	2, 7, 15		i (150) 10 (280)	14 (390)	1.7 (6.4)	5.5 (20)	8.3 (31)	
Female NPT	1/4 in.	2, 7, 15	5.6 (150)			4.5 (17)	14 (52)	18 (68)	
Male NPT, male/female NPT	1/4 in.	2, 7, 15	5.5 (100)			3.5 (13)	11 (41)	14 (52)	

① Outlet is discharged to atmosphere.

F Series

Element	Inlet	Pressure, ^① ps	ig (bar)	Pres	sure Drop, psi	(bar)
Nominal Pore Size	5 (0.34)	10 (0.68)	15 (1.0)	10 (0.68)	50 (3.4)	100 (6.8)
μm	Air Flov	w, std ft ³ /min (s	td L/min)	Water Fl	ow, U.S. gal/m	in (L/min)
			2F Series			
0.5	0.04 (1.1)	0.06 (1.7)	0.12 (3.4)	0.01 (0.03)	0.04 (0.15)	0.12 (0.45)
2	0.20 (5.6)	0.40 (11)	0.60 (17)	0.08 (0.30)	0.24 (0.91)	0.40 (1.5)
7	0.50 (14)	0.90 (25)	1.2 (34)	0.10 (0.37)	0.30 (1.1)	0.48 (1.8)
15	0.80 (22)	1.3 (36)	1.5 (42)	0.12 (0.45)	0.36 (1.3)	0.58 (2.1)
60	1.7 (48)	2.2 (62)	2.4 (68)	0.15 (0.56)	0.50 (1.8)	0.70 (2.6)
90	1.8 (51)	2.2 (62)	2.6 (73)	0.20 (0.75)	0.50 (1.8)	0.60 (2.2)
			4F Series			
0.5	0.12 (3.4)	0.26 (7.3)	0.48 (13)	0.04 (0.15)	0.17 (0.64)	0.29 (1.0)
2	0.60 (17)	1.4 (39)	2.3 (65)	0.24 (0.90)	0.86 (3.2)	1.3 (4.9)
7	1.4 (39)	2.9 (82)	4.7 (130)	0.40 (1.5)	1.3 (4.9)	2.0 (7.5)
15	1.2 (34)	2.9 (82)	4.7 (130)	0.50 (1.8)	1.3 (4.9)	2.1 (7.9)
60	3.1 (87)	5.9 (160)	8.5 (240)	0.90 (3.4)	3.3 (12)	4.6 (17)
90	4.1 (110)	7.5 (210)	10 (280)	1.2 (4.5)	4.2 (15)	6.1 (23)
40, 140, 230, 440	4.7 (130)	8.8 (250)	12 (340)	1.7 (6.4)	5.6 (21)	7.8 (29)
		6F a	and 8F Series			
0.5	0.36 (10)	0.86 (24)	1.6 (45)	0.09 (0.34)	0.40 (1.5)	0.76 (2.8)
2	1.4 (39)	2.8 (79)	4.0 (110)	0.26 (0.98)	1.1 (4.1)	1.6 (6.0)
7	1.8 (51)	4.2 (119)	6.8 (190)	0.64 (2.4)	2.2 (8.3)	3.5 (13)
15	1.8 (51)	4.9 (130)	7.9 (220)	0.84 (3.1)	2.6 (9.8)	4.1 (15)
60	5.1 (140)	10 (280)	15 (420)	2.0 (7.5)	6.7 (25)	10 (37)
90	6.1 (170)	11 (310)	16 (450)	2.3 (8.7)	7.6 (28)	11 (41)
40, 140, 230, 440	7.2 (200)	14 (390)	20 (560)	4.8 (18)	15 (56)	19 (71)

 $[\]ensuremath{\textcircled{1}}$ Outlet is discharged to atmosphere.

Flow Data at 70°F (20°C)

TF Series

Element Inlet Pressure, 10 psig (bar) Pressure Drop, psi (bar) **Nominal** 5 (0.34) 10 (0.68) 15 (1.0) 10 (0.68) 50 (3.4) 100 (6.8) Pore Size μm Air Flow, std ft3/min (std L/min) Water Flow, U.S. gal/min (L/min) 2TF Series 0.04 (0.15) 0.5 0.12 (3.4) 0.17 (0.64) 0.29 (1.0) 0.04 (1.1) 0.06 (1.7) 2 0.20 (5.6) 0.40 (11) 0.08 (0.30) 0.24 (0.91) 0.40 (1.5) 0.60 (17) 7 0.50 (14) 0.90 (25) 0.10 (0.37) 0.48 (1.8) 1.2 (34)0.30 (1.1) 15 0.80 (22)1.3 (36)1.5 (42)0.12 (0.45) 0.36 (1.3) 0.58 (2.1) 60 1.7 (48)2.2 (62)2.4 (68)0.15 (0.56) 0.50 (1.8) 0.70 (2.6) 1.8 (51)2.2 (62)2.6 (73)0.20 (0.75) 0.50 (1.8) 0.60 (2.2)40, 140, 230, 440 1.8 (51)2.3 (65)2.6 (73)0.20 (0.75) 0.50 (1.8) 0.60 (2.2) 4TF Series 0.5 0.12 (3.4) 0.26 (7.3) 0.48 (13) 0.04 (0.15) 0.17 (0.64) 0.29 (1.0)2 0.60 (17) 1.4 (39)2.3 (65)0.24 (0.90) 0.86 (3.2) 1.3 (4.9)7 4.7 2.0 1.4 (39)2.9 (82)(130)0.40 (1.5) 1.3 (4.9)(7.5)15 1.2 (34)2.9 (82)4.7 (130)0.50 (1.8) 1.3 (4.9)2.1 (7.9)3.9 60 (160)8.5 (240)3.1 (87)5.9 0.80 (3.0) 2.7 (10)(14)90 4.1 7.5 10 4.9 (110)(210)(280)1.1 (4.1)3.4 (12)(18)40, 140, 230, 440 4.7 12 (130)8.8 (250)(340)1.2 4.2 5.6 (21)(4.5)(15)**6TF and 8TF Series** 0.5 0.36 (10) 0.86 (24) 1.6 (45)0.09 (0.34) 0.40 (1.5) 0.76 (2.8)2 1.4 2.8 (79)4.0 (110)0.26 (0.98) (4.1)1.6 (6.0)(39)1.1 7 1.8 (51)4.2 (119)6.8 (190)0.64 (2.4)2.2 (8.3)3.5 (13)15 (130)7.9 0.84 (3.1) 1.8 (51) 4.9 (220)2.6 (9.8)4.1 (15)60 5.1 10 (280)1.5 6.7 (140)(420)(5.6)4.8 (18)(25)90 1.7 6.1 (170)11 (310)16 (450)(6.4)5.5 (20)7.6 (28)40, 140, 230, 440 7.2 14 (390)20 (560)2.4 (9.0)7.2 (27)10 (37)

Testing

Every Swagelok filter is factory tested with nitrogen at 1000 psig (69 bar) to a requirement of no detectable leakage with a liquid leak detector.

Cleaning and Packaging

Swagelok filters with VCR end connections are processed in accordance with Swagelok Special Cleaning and Packaging (SC-11) (MS-06-63), page 1175, to ensure compliance with product cleanliness requirements stated in ASTM G93 Level C. FW filters with sintered elements (element designator 05) are not available with SC-11 processing.

Swagelok filters with other end connections are processed in accordance with Swagelok Standard Cleaning and Packaging (SC-10) (MS-06-62) page 1174; special cleaning and packaging are available as an option.

① Outlet is discharged to atmosphere.

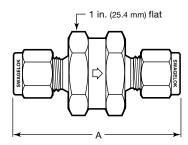
Ordering Information and Dimensions

Dimensions are for reference only and are subject to change.

FW Series

Add an element designator to the basic ordering number.

Example: SS-4FWS-05



FW Series

End Conne	End Connections		Basic Ordering	Dimensions, in. (mm)		
Inlet/Outlet	Size	Pore Size μm	Number	Orifice	Α	
	1/4 in.	0.5	SS-4FWS-		2.09 (53.1)	
Swagelok	1/4 in.	2, 7, 15	SS-4FW-	0.107 (4.75)	2.15 (54.6)	
tube fittings	6 mm	0.5	SS-6FWS-MM-	0.187 (4.75)	2.13 (54.1)	
	6 mm	2, 7, 15	SS-6FW-MM-		2.15 (54.6)	
Female NPT	1/4 in.		SS-4FW4-	0.453 (11.5)	1.57 (39.9)	
Male NPT	1/4 in.	2, 7, 15	SS-4FW2-	0.281 (7.14)	1.89 (48.0)	
Male/ female NPT	1/4 in.	_, , , , ,	SS-4FW5-	0.281 (7.14)	1.72 (43.7)	
Male VCR	1/4 in.	0.5	SS-4FWS-VCR-	0 107 (4 75)	2.00 (50.8)	
fittings			SS-4FW-VCR-	0.187 (4.75)	2.04 (51.8)	

Dimensions shown with Swagelok tube fitting nuts finger-tight.

FW Series Elements

Elements remove 95 % of particles larger than the nominal pore size.

Nominal Pore Size µm	Pore Size Range µm	Element Type	Element Designator
0.5	0.5 to 2	Sintered	05
2	_		2
7	_	Pleated	7
15	_		15

F Series and TF Series

Stainless Steel Filters

Add an element designator to the basic ordering number.

Example: SS-2F-2

Brass Filters

Replace **SS** with **B** in the ordering number.

Example: **B**-2F-2

Filters with VCR fitting end connections

are not available in brass.

F and TF Series Elements

Elements remove 95 % of particles larger than the nominal pore size.

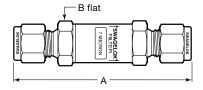
Nominal Pore Size µm	Pore Size Range µm	Element Type	Element Designator
0.5	0.5 to 2		05
2	1 to 4	Sintered	2
7	5 to 10	Sintered	7
15	11 to 25		15
40 ^①	_	Strainer	40
60	50 to 75	Sintered	60
90	75 to 100	Sintered	90
140 ^①	_		140
230 ^①	_	Strainer	230
440 ^①	_		440

① Not available for 2F series.

Ordering Information and Dimensions

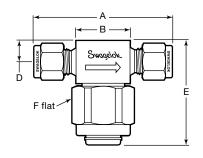
F Series

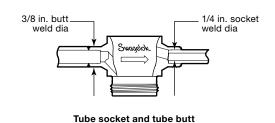
End Conne	End Connections Basic Ordering Filter		Dimensions, in. (mm)				
Inlet/Outlet	Size	Number	Series	Orifice	Α	В	
	1/8 in.	SS-2F-	2F	0.094 (2.39)	2.35 (59.7)	9/16 (14.3)	
	1/4 in.	SS-4F-	4F	0.187 (4.75)	2.95 (74.9)	3/4 (19.0)	
Swagelok	3/8 in.	SS-6F-	6F	0.281 (7.14)	3.21 (81.5)	1 (05.4)	
tube fittings	1/2 in.	SS-8F-	8F	0.406 (10.3)	3.49 (88.6)	1 (25.4)	
	3 mm	SS-3F-MM-	2F	0.094 (2.39)	2.38 (60.5)	9/16 (14.3)	
	6 mm	SS-6F-MM-	4F	0.187 (4.75)	2.96 (75.2)	3/4 (19.0)	
Comple NDT	1/8 in.	SS-2F4-	2F	0.094 (2.39)	2.16 (54.9)	9/16 (14.3)	
Female NPT	1/4 in.	SS-4F4-	4F		2.87 (72.9)		
Male NPT	1/4 in.	SS-4F2-	4F	0.187 (4.75)	2.69 (68.3)	3/4 (19.0)	
Male VCR fittings	1/4 in.	SS-4F-VCR-	4F		2.82 (71.6)	5, 1 (13.0)	
Swagelok	1/8 in.	SS-2F-T7-	2F	0.094 (2.39)	2.29 (58.2)	9/16 (14.3)	
tube fitting/ tube adapter	1/4 in.	SS-4F-T7-	4F	0.187 (4.75)	2.91 (73.9)	3/4 (19.0)	



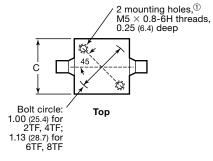
Dimensions shown with Swagelok tube fitting nuts finger-tight.

TF Series





weld end connections



End Conne	ections	Basic Ordering	Filter			Dim	nensions, in. (mm)			
Туре	Size	Number	Series	Orifice	Α	В	С	D	E	F
	1/8 in.	SS-2TF-	2TF	0.094 (2.39)	2.27 (57.7)	1.07 (27.2)	1 00 (05 4)	0.00 (0.7)	1 07 (47 5)	1 (05.4)
	1/4 in.	SS-4TF-	4TF	0.174 (4.41)	2.47 (62.7)	1.06 (26.9)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)
	3/8 in.	SS-6TF-	6TF	0.213 (5.41)	2.84 (72.1)	1.32 (33.5)	1.13 (28.7)	0.46 (11.7)	2.20 (55.9)	1 1/8 (28.6)
Swagelok	1/2 in.	SS-8TF-	8TF	0.250 (6.35)	3.04 (77.2)	1.31 (33.3)	1.13 (20.7)	0.46 (11.7)	2.20 (55.9)	1 1/0 (20.0)
tube fitting	6 mm	SS-6TF-MM-	4TF	0.172 (4.36)	2.46 (62.5)	1.06 (26.9)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)
	8 mm	SS-8TF-MM-	6TF	0.213 (5.41)	2.84 (72.1)	1.38 (35.1)				
	10 mm	SS-10TF-MM-	8TF	0.050 (0.05)	2.86 (72.6)	1.32 (33.5)	1.13 (28.7)	0.46 (11.7)	2.20 (55.9)	1 1/8 (28.6)
	12 mm	SS-12TF-MM-	8TF	0.250 (6.35)	3.04 (77.2)	1.31 (33.3)				
Female NPT	1/8 in.	SS-2TF4-	2TF	0.174 (4.44)	2.00 (50.8)	1.00 (05.4)	1 00 (05 4)	0.00 (0.7)	1 07 (47 5)	1 (05.4)
remale NPT	1/4 in.	SS-4TF4-	4TF	0.174 (4.41)	2.13 (54.1)	1.00 (25.4)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)
	1/4 in.	SS-4TF2-	4TF	0.174 (4.41)	2.13 (54.1)	1.00 (25.4)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)
Male NPT	3/8 in.	SS-6TF2-	6TF	0.050 (0.05)	2.38 (60.5)	1.05 (01.0)	1 10 (00 7)	0.46 (44.7)	0.00 (55.0)	1 1/0 (00 0)
	1/2 in.	SS-8TF2-	8TF	0.250 (6.35)	2.75 (69.9)	1.25 (31.8)	1.13 (28.7)	0.46 (11.7)	2.20 (55.9)	1 1/8 (28.6)
Tube socket weld and tube butt weld	1/4 and 3/8 in.	SS-4TF-TW-	4TF	0.174 (4.41)	1.68 (42.7)	1.00 (25.4)	1.00 (25.4)	0.38 (9.7)	1.87 (47.5)	1 (25.4)

Dimensions shown with Swagelok nuts finger-tight.

① Mounting holes not available with 1/4 in. female NPT end connections.



Options and Accessories

All Filters

Special Cleaning and Packaging (SC-11)

Swagelok filters with VCR end connections are processed in accordance with Swagelok *Special Cleaning and Packaging (SC-11)* (MS-06-63), page 1175 to ensure compliance with product cleanliness requirements stated in ASTM G93 Level C.

To order special cleaning and packaging for filters with other end connections, add **-SC11** to the valve ordering number.

Example: SS-4FWS-40-SC11

F and TF Series

Element Kits

Kits include element and instructions.

Select a basic kit ordering number and add an element designator.

Example: SS-2F-K4-05

Filter Series ^①	Basic Kit Ordering Number
2F	SS-2F-K4-
4F, 2TF, 4TF	SS-4F-K4-
6F, 8F, 6TF, 8TF	SS-8F-K4-

See **Dimensions** tables, page 956, for filter series information.

Nominal Pore Size µm	Pore Size Range µm	Element Type	Element Designator
0.5	0.5 to 2	Sintered	05
2	1 to 4		2
7	5 to 10		7
15	11 to 25		15
40 ^①	_	Strainer	40
60	50 to 75	Sintered	60
90	75 to 100	Sintered	90
140 ^①	_	Strainer	140
230 ^①	_		230
440 ^①	_		440

Not available for 2F series.

Gasket Kits

Kits include gasket and instructions. To order a stainless steel gasket kit, select a kit ordering number. For other gasket materials, replace **SS** with **A** for aluminum or **KF** for PCTFE (TF series only).

Example: A-2F-K3

Filter Series ^①	Kit Ordering Number	
2F	SS-2F-K3	
4F	SS-4F-K3	
6F, 8F	SS-8F-K3	
2TF, 4TF	SS-4TF-K2	
6TF, 8TF	SS-8TF-K2	

See **Dimensions** tables, page 956, for filter series information.

F Series

Special Alloys

Filters of alloy C-276 are available in some sizes. Contact your authorized Swagelok sales and service representative for more information.

TF Series

Bypass Port

The bypass port at the filter bottom enables sampling or purging. To order, insert a designator into the filter ordering number.

Example: SS-2TF**-F1**-05

Filter Series	Bypass Port End Connection	Designator	Overall Height in. (mm)
2TF, 4TF	1/8 in. Swagelok tube fitting	-F1	2.36 (59.9)
	1/8 in. female NPT	-F2	2.09 (53.1)
	1/4 in. Swagelok tube fitting	-F3	2.82 (71.6)
	1/4 in. tube socket weld	-F8	2.21 (56.1)
6TF, 8TF	1/8 in. female NPT	-F4	2.46 (62.5)
	1/4 in. Swagelok tube fitting	-F5	3.14 (79.8)
	3/8 in. Swagelok tube fitting	-F6	3.20 (81.3)
	1/2 in. Swagelok tube fitting	-F7	3.42 (86.9)

Filters Without Elements

TF series filters can be ordered without elements. Add **LE** to the basic ordering number.

Example: SS-2TF-LE

Filters With ECE R110-Type Approval

Stainless steel TF series filters with stainless steel sintered or strainer elements are available tested with ECE R110-type approval for use in alternative fuel service.

- Temperature rating: -40 to 248°F (-40 to 120°C)
- Pressure rating within the range: 3770 psig (260 bar)

To order, add **-12463** to a standard TF series filter ordering number.

Example: SS-2TF-05-12463

Oxygen Service Hazards

For more information about hazards and risks of oxygenenriched systems, see the Swagelok *Oxygen System Safety* technical report (MS-06-13), page 1184.

Caution: Do not mix or interchange parts with those of other manufacturers.

About this document

Thank you for downloading this electronic catalog, which is part of General Product catalog Swagelok published in print. This type of electronic catalog is updated as new information arises or revisions, which may be more current than the printed version.

Swagelok Company is a major developer and provider of fluid system solutions, including products, integration solutions and services for industry research, instrumentation, pharmaceutical, oil and gas, power, petrochemical, alternative fuels, and semiconductor. Our manufacturing facilities, research, service and distribution facilities support a global network of more than 200 authorized sales and service centers in 57 countries.

Visit www.swagelok.com to locate your Swagelok representative and obtain any information on features, technical information and product references, or to learn about the variety of services available only through authorized sales centers and service Swagelok.

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit your Swagelok Web site or contact your authorized Swagelok representative.

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