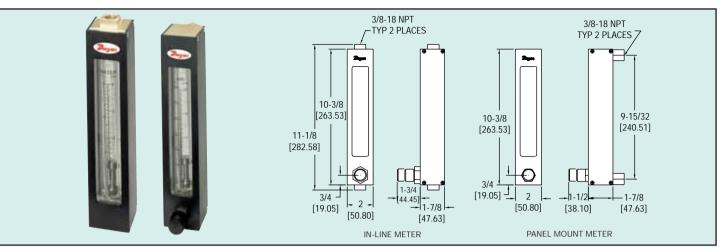


Flow

Series RSF

Rotatable Scale Flowmeters

Dual, Rotatable Direct Reading Scales for Air and Water



Series RSF Flowmeters are designed with unique rotatable scales of dual, air-water direct reading graduations. Flow rate is indicated in SCFM and SLPM for air and GPM and LPM for water. Graduations are marked on a rotating, polycarbonate tubeshield which also serves to protect the borosilicate glass flowtube. Flowmeters include a reflective plastic background and 1.5 X magnification lens to reduce eye fatigue and allow for more accurate readings. A blow-out back panel provides additional protection in the event of breakage. Series RSF Flowmeters are available in vertical in-line mounting or panel mounting. Units are shipped completely assembled and include standard mounting hardware for quick installation.

MODELS

Without Valve Max. Fue Brass S Brass S Air scfm (SLPM) Water GPM (LPM) RSF011 RSF111 RSF011V RSF111V S(140) 1.2(4) RSF012 RSF112 RSF012V RSF112V 10(280) 2(8) RSF013 RSF113 RSF013V RSF113V 15(425) 3(11.5) RSF014 RSF114 RSF014V RSF114V 20(575) 4(15) RSF015 RSF115 RSF015V RSF115V 30(900) 5(20) RSF015 RSF115 RSF015V RSF115V 30(900) 5(20) Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF011 RSF121 RSF021V RSF121V 5(140) 1.2(4) RSF021 RSF121 RSF021V RSF123V 10(280) 2(8) RSF023 RSF123 RSF024V RSF124V 20(575) 4(15) RSF024 RSF124 RSF024V RSF124V 20(57	Brass & SS Vertical In-Line Meters						
Clock Clock Clock Air scfm (SLPM) Water GPM (LPM) RSF011 RSF111 RSF011V RSF111V 5(140) 1.2(4) RSF012 RSF113 RSF013V RSF112V 10(280) 2(8) RSF013 RSF114 RSF014V RSF113V 15(425) 3(11.5) RSF014 RSF115 RSF015V RSF114V 20(575) 4(15) RSF015 RSF115 RSF015V RSF115V 30(900) 5(20) Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF121V 5(140) 1.2(4) RSF022 RSF123 RSF023V RSF123V 10(280) 2(8) RSF023 RSF124 RSF024V RSF123V 10(280) 2(8) RSF024 RSF124 RSF024V RSF124V 20(575) 4(15) RSF024 RSF124 RSF024V RSF125V 30(900) 5(20) RSF215 RSF211V	Without Valve		With Valve		Max. Flow Rate		
RSF011 RSF011 RSF112 RSF012 RSF013 RSF113 RSF013 RSF113 RSF013 RSF113 RSF013 RSF113 RSF014 RSF114 RSF014 RSF014 RSF015 RSF015 RSF115 RSF015 RSF115 RSF015 RSF115 RSF015 RSF015 RSF027 RSF122 RSF027 RSF123 RSF027 RSF123 RSF027 RSF123 RSF027 RSF125 RSF027 RSF125 RSF027 RSF125 RSF027 RSF126 RSF027 RSF127 RSF027 RSF127 RSF027 RSF127 RSF027 RSF128 RSF027 RSF127 RSF027 RSF127 RSF027 RSF127 RSF027 RSF128 RSF027 RSF127 RSF027 RSF127 RSF027 RSF127 RSF027 RSF128 RSF027 RSF128 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF027 RSF129 RSF029 RSF129 RSF029 RSF129 RSF029 RSF129 RSF129 RSF129 RSF129 RSF129 RSF211 RSF211 RSF211 RSF2117 RSF213 RSF213 RSF213 RSF214 RSF144 RSF214 RSF14	Brass	SS	Brass	SS	Air scfm (SLPM)	Water GPM (LPM)	
RSF012 RSF013 RSF114 RSF114 RSF014V RSF114 RSF015V RSF114V RSF114V RSF015V RSF114V RSF015V RSF115V RSF115V RSF115V RSF115V RSF015V RSF015V RSF012 RSF021 RSF021 RSF021 RSF022 RSF122 RSF022 RSF122 RSF023 RSF123 RSF024 RSF124 RSF025 RSF125 RSF025 RSF125 RSF025 RSF125 RSF025 RSF125 RSF026 RSF126 RSF027							
RSF013 RSF113 RSF013V RSF113V 15(425) 3(11.5) RSF014 RSF114 RSF014V RSF114V 20(575) 4(15) RSF015 RSF115 RSF015V RSF115V 30(900) 5(20) Brass SS SS alt soft soft soft soft soft soft soft sof							
RSF014 RSF015 RSF114 RSF115 RSF014V RSF015V RSF114V RSF115V 20(575) 30(900) 4(15) 5(20) Brass SS ant scfm (SLPM) Water GPM (LPM) Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF121V 5(140) 1.2(4) RSF022 RSF122 RSF022V RSF122V 10(280) 2(8) RSF023 RSF123 RSF023V RSF124V 20(575) 4(15) RSF024 RSF124 RSF024V RSF124V 20(575) 4(15) RSF024 RSF124 RSF024V RSF124V 20(575) 4(15) RSF025 RSF124 RSF024V RSF124V 20(575) 4(15) RSF025 RSF124 RSF214V RSF214V 20(575) 4(15) RSF211 RSF211V 3.5(100) 0.8(3) 0.8(3) RSF213 RSF214V 7(200) 1.5(5.75) RSF214 RSF214V 14					10(280)		
RSF015 RSF115 RSF015V RSF115V 30(900) 5(20) Brass SS Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF021V RSF121V S(140) 1.2(4) RSF022 RSF122 RSF023V RSF123V RSF123V 10(280) 2(8) RSF023 RSF123 RSF023V RSF123V 15(425) 3(11.5) RSF024 RSF124 RSF024V RSF123V 15(425) 3(11.5) RSF024 RSF125 RSF125V 30(900) 5(20) 5(20) RSF025 RSF125 RSF025V RSF125V 30(900) 5(20) RSF215 RSF215V RSF000 0.8(3) 0.8(3) RSF211 RSF211V 3.5(100) 0.8(3) RSF213 RSF214V 14(400) 2.9(11) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25)	RSF013	RSF113	RSF013V	RSF113V	15(425)		
Brass & SS Panel Mount Meters Without Valve With Valve Max. Flow Rate Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF021V RSF121 RSF021V RSF121 RSF022V RSF122V 10(280) 2(8) RSF023 RSF123 RSF023V RSF123V 15(425) 3(11.5) RSF024 RSF124 RSF024V RSF123V 15(425) 3(11.5) RSF025 RSF125 RSF025V RSF124V 20(575) 4(15) RSF025 RSF125 RSF025V RSF125V 30(900) 5(20) PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount	RSF014	RSF114			20(575)		
Without Valve With Valve Max. Flow Rate Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF121V 5(140) 1.2(4) RSF022 RSF122 RSF023V RSF123V 15(425) 3(11.5) RSF023 RSF123 RSF024V RSF123V 15(425) 3(11.5) RSF024 RSF124 RSF024V RSF124V 20(575) 4(15) RSF025 RSF125 RSF025V RSF125V 30(900) 5(20) PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF215V 17.5(500) 3.5(13.25) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With V	RSF015	RSF115	RSF015V	RSF115V	30(900)	5(20)	
Brass SS Brass SS Air scfm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF0							
Air scrm (SLPM) Water GPM (LPM) RSF021 RSF121 RSF021V RSF121V 5(140) 1.2(4) RSF022 RSF122 RSF022V RSF122V 10(280) 2(8) RSF023 RSF123 RSF023V RSF124V 20(575) 4(15) RSF025 RSF125 RSF025V RSF125V 30(900) 5(20) PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.0(900) 5(20) RSF211 RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM)					Max. Flow Rate		
RSF021 RSF121 RSF121V 5(140) 1.2(4) RSF022 RSF122 RSF022V RSF122V 10(280) 2(8) RSF023 RSF123 RSF023V RSF123V 15(425) 3(11.5) RSF024 RSF124 RSF024V RSF124V 20(575) 4(15) RSF025 RSF125 RSF025V RSF125V 30(900) 5(20) PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate Mithout Valve RSF211 RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V	Brass	SS	Brass	SS	Air scfm (SLPM)	Water GPM (LPM)	
RSF022 RSF023 RSF123 RSF024 RSF124 RSF024 RSF125 RSF025 RSF022V RSF123V RSF124V RSF124V RSF124V RSF125V RSF125V RSF125V RSF125V RSF125V RSF125V RSF125V RSF125V RSF125V RSF125V RSF121V RSF211 RSF124V RSF125V RSF212V RSF213V RSF213V RSF213V RSF214 Max Flow RSF214V RSF214V RSF215V RSF2					. ,		
RSF023 RSF024 RSF124 RSF124 RSF024V RSF023V RSF124V RSF123V RSF124V 15(425) 20(575) 3(11.5) 4(15) 30(900) RSF025 RSF125 RSF025V RSF025V RSF125V RSF124V 20(575) 4(15) 5(20) DTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate OPTFE Vertical In-Line Meters Without Valve Mit scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF215V 17.5(500) 3.5(13.25) DTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Without Valve With Valve Max. Flow Rate SF221 RSF221V 3.5(100) 0.8(3)					· · · ·	• • • •	
RSF024 RSF025 RSF124 RSF125 RSF024V RSF025V RSF124V RSF125V 20(575) 30(900) 4(15) 5(20) PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate Mithout Valve Mithout Fertical In-Line Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) With Valve Max. Flow Rate With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) PTFE Panel Mount Meters With Valve Max. Flow Rate					10(280)		
RSF025 RSF125 RSF025V RSF125V 30(900) 5(20) PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Without Valve RSF221V 3.5(100) 0.8(3)						3(11.5)	
PTFE Vertical In-Line Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)	RSF024				20(575)	4(15)	
Without Valve With Valve Max. Flow Rate Mit Scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)	RSF025	RSF125	RSF025V	RSF125V	30(900)	5(20)	
Without Valve With Valve Max. Flow Rate Mit Scfm (SLPM) Water GPM (LPM) RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)	PTEF Vertical In-Line Meters						
RSF211 RSF211V 3.5(100) 0.8(3) RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) RSF221 RSF221V 3.5(100) 0.8(3)	Without Valve						
RSF212 RSF212V 7(200) 1.5(5.75) RSF213 RSF213V 10.5(300) 2.2(8.25) RSF214 RSF214V 14(400) 2.9(11) RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)					Air scfm (SLPM)	Water GPM (LPM)	
RSF213 RSF214 RSF214 RSF213V RSF214 10.5(300) RSF215 2.2(8.25) 2.9(11) RSF215 Display 14(400) RSF215 2.9(11) RSF215 Display 17.5(500) 3.5(13.25) DTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) 0.8(3)	RSF211		RSF	211V	3.5(100)	0.8(3)	
RSF214 RSF215 RSF214V RSF215V 14(400) 2.9(11)	RSF212		RSF	212V	7(200)	1.5(5.75)	
RSF215 RSF215V 17.5(500) 3.5(13.25) PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Mithout Valve Mithout Meters Max. Flow Rate RSF221 RSF221V 3.5(100) 0.8(3)			RSF	213V	10.5(300)	2.2(8.25)	
PTFE Panel Mount Meters Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)	RSF214		RSF	214V	14(400)	2.9(11)	
Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)	RSF215		RSF	215V	17.5(500)	3.5(13.25)	
Without Valve With Valve Max. Flow Rate Air scfm (SLPM) Water GPM (LPM) RSF221 RSF221V 3.5(100) 0.8(3)	PTFE Panel Mount Meters						
RSF221 RSF221V 3.5(100) 0.8(3)	Without Valve				Max. Flow Rate		
					Air scfm (SLPM)	Water GPM (LPM)	
RSF222 RSF222V 7(200) 1.5/5.75)			RSF	221V	3.5(100)	0.8(3)	
	RSF222		RSF:	222V	7(200)	1.5(5.75)	
RSF223 RSF223V 10.5(300) 2.2(8.25)			RSF:	223V	10.5(300)	2.2(8.25)	
RSF224 RSF224V 14(400) 2.9(11)			RSF:	224V	14(400)	2.9(11)	
RSF225 RSF225V 17.5(500) 3.5(13.25)	RSF225		RSF	225V	17.5(500)	3.5(13.25)	

SPECIFICATIONS

Service: Compatible gases or liquids.

Wetted Materials:

Flowtube: Borosilicate glass.

Float: Brass/SS models: 316 SS; PTFE models: PTFE.

Tube Shield: Polycarbonate

Float Stops: Brass/SS models: 316 SS; PTFE models: PTFE.

End Fittings: Brass/SS models: Brass or 316 SS; PTFE models: PTFE.

O-rings: Brass/SS models: Fluoroelastomer; PTFE models: PTFE.

Temperature Limit: 250°F (121°C). PTFE models: 150°F (65°C).

Pressure Limit: 150 psig (10.34 bar) @ 200°F (93°C).

PTFE models: 100 psig (6.7 bar)

Accuracy: ±7% FS.

Repeatability: ±0.25% FS.

Scale: Direct Reading 127 mm scales for air and water. Turn-Down Ratio: 10:1.

Connections: Two 3/8" female NPT.

Mounting: Vertical or panel mount.

Panel Cutout: Drill two 7/8" diameter holes 9.0"

(229 mm) apart (for panel mount meters only).

Valve: 6-turn needle (standard on models indicating "with valve").

Agency Approvals: CE.

APPLICATIONS

Flowmeters are suitable for metering air or water for film processing, paper manufacturing, chemical processing, semiconductor industry, water and air pollution analysis equipment, metals processing, industrial fuel and energy conservation, air metering, and general laboratory and industrial applications.

st.com • www.dwyer-inst.co.uk

www.dwyer-inst.com.au