



YS Series Y-Strainers

1/2" - 2" / DN15-DN50 PVC, CLEAR PVC
AND CPVC

2-1/2" - 4" / DN65-DN100 PVC AND CPVC

KEY FEATURES

- Available in PVC, CPVC and Clear PVC Materials
- Horizontal or Vertical Installation
- FPM O-Ring Seals
- 2:1 Open Area Ratio
- Hex Cap for Easy Access to Screen
- Standard Screen has 1/32" Perforation

OPTIONS

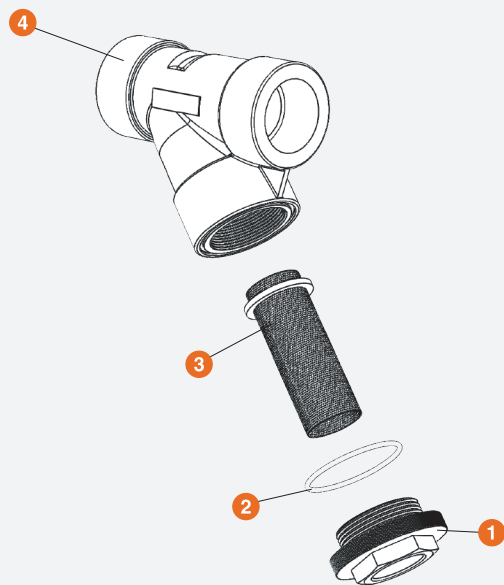
- Stainless Steel Perforated or Mesh Strainer Screens Available in Various Sizes and Alloy Materials

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- Clear PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- FPM and EPDM O-Ring Seals

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/2" – 1" (DN15 – DN25)	PVC, CPVC or Clear PVC	Socket or Threaded	FPM and EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
1–1/4" (DN32)	PVC and Clear PVC			
1–1/2" (DN40)	PVC, CPVC or Clear PVC			
2" (DN50)				
2–1/2" (DN65)		PVC		
3–4" (DN80–DN100)	PVC and CPVC			

YS Series Y-Strainers

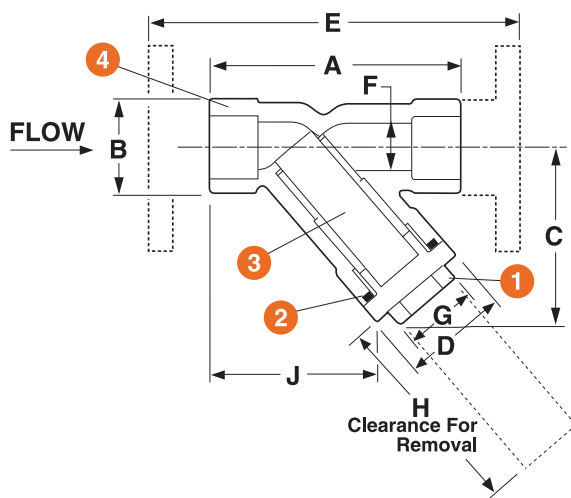
1/2" - 2" / DN15-DN50 PVC, CLEAR PVC AND CPVC

2-1/2" - 4" / DN65-DN100 PVC AND CPVC

TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Cap
2. O-Ring Seal
3. Screen
4. Body



SCREEN OPTIONS

PERFORATION SIZES	MESH SIZES	SCREEN MATERIAL
1/32"	20	SSTL, Hastelloy, Monel and Titanium
1/16"	40	
1/8"	60	
5/32"	80	
3/16"	100	
1/4"	200	
3/8"		PVC, CPVC
1/32"		
1/16"	N/A	
1/8"		
3/16"		

DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	G in / mm	H in / mm	J in / mm	WEIGHT lbs / kg	
										SOC / THD	FLANGED
1/2 / 15	3.38 / 86	1.38 / 35	2.25 / 57	1.50 / 38	N/A	.56 / 14	1.00 / 25	2.13 / 54	2.50 / 64	.25 / .11	N/A
3/4 / 20	4.18 / 106	1.69 / 43	2.88 / 73	2.00 / 51	N/A	.81 / 21	1.25 / 32	2.75 / 70	3.00 / 76	.63 / .29	N/A
1 / 25	5.19 / 132	2.00 / 51	3.63 / 92	2.16 / 55	N/A	1.00 / 25	1.50 / 38	3.30 / 84	3.32 / 84	.88 / .40	N/A
1-1/4 / 32	6.63 / 168	2.63 / 67	4.50 / 114	2.94 / 75	N/A	1.25 / 32	2.00 / 51	4.50 / 114	4.45 / 113	1.75 / .79	N/A
1-1/2 / 40	6.63 / 168	2.63 / 67	4.50 / 114	2.94 / 75	N/A	1.56 / 40	2.00 / 51	4.50 / 114	4.45 / 113	1.63 / .74	N/A
2 / 50	7.63 / 194	3.38 / 86	5.38 / 137	3.75 / 95	11.00 / 279	2.00 / 51	2.38 / 60	5.06 / 129	4.88 / 124	3.00 / 1.36	5.00 / 2.27
2-1/2 / 65	10.31 / 262	4.69 / 119	7.25 / 184	5.25 / 133	N/A	2.90 / 74	3.50 / 89	6.60 / 168	6.54 / 166	7.75 / 3.52	N/A
3 / 80	10.31 / 262	4.69 / 119	7.25 / 184	5.50 / 140	14.37 / 365	2.90 / 74	3.50 / 89	6.60 / 168	6.54 / 166	7.50 / 3.40	12.25 / 5.56
4 / 100	12.81 / 325	5.75 / 146	8.88 / 226	6.18 / 157	17.73 / 450	3.78 / 96	4.25 / 108	8.00 / 203	8.58 / 218	9.50 / 4.30	17.50 / 7.94

Dimensions are subject to change without notice – consult factory for installation information

Cv VALUES*

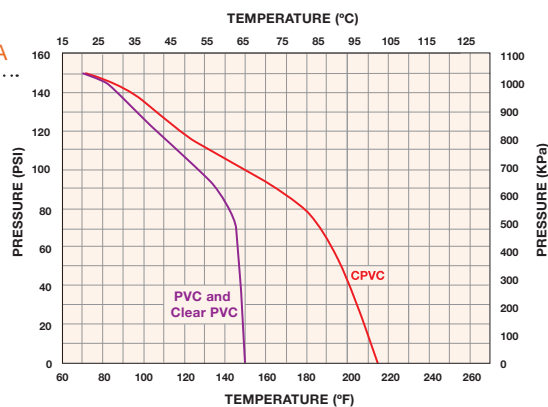
SIZE in / DN	Cv VALUES	SIZE in / DN	Cv VALUES	PRESSURE LOSS CALCULATION FORMULA
1/2 / 15	4.0	2 / 50	28	
3/4 / 20	6.8	2-1/2 / 65	40	$\Delta P = \left[\frac{Q}{C_v} \right]^2$ $\Delta P = \text{Pressure Drop}$ $Q = \text{Flow in GPM}$ $C_v = \text{Flow Coefficient}$
1 / 25	9.0	3 / 80	65	
1-1/4 / 32	12	4 / 100	100	
1-1/2 / 40	28			

* With 1 / 32" plastic screen



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OPERATING TEMPERATURE/PRESSURE



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YS Series Y-Strainers

1/2", 3/4" AND 1" / DN15-DN25 PVDF

KEY FEATURES

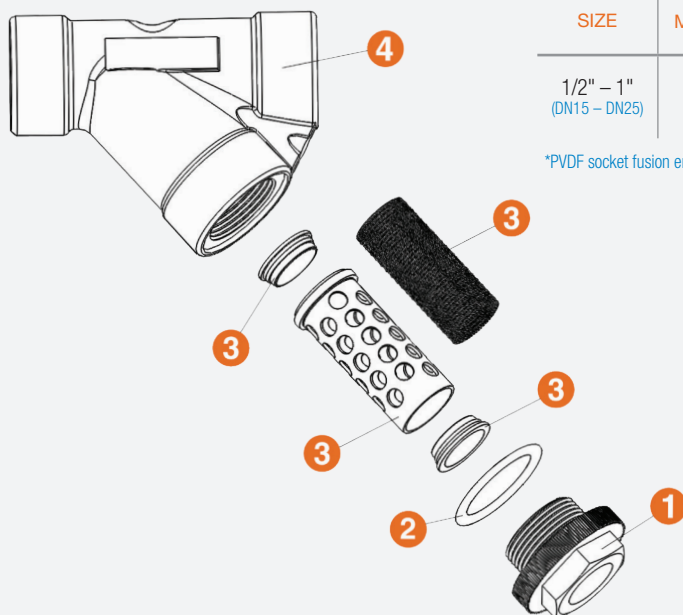
- Natural PVDF 1-pc Molded Body
- NPT or BSP Threaded Ends
- Socket Fusion Ends for IPS Schedule 40 / 80, or for SDR21 / 33 Piping
- Horizontal or Vertical Installation
- FPM O-Ring Seals
- Hex Cap for Easy Access to Screen
- Standard Screen has 3/32" Perforation

MATERIALS

- Natural PVDF per ASTM D3222 Type 1
- FPM O-Ring Seals

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/2" – 1" (DN15 – DN25)	PVDF	Socket Fusion or Threaded	FPM	150 PSI @ 70°F Non-Shock

*PVDF socket fusion ends per ASTM F2389 (IPS and SDR) and threaded ends available per BS21.

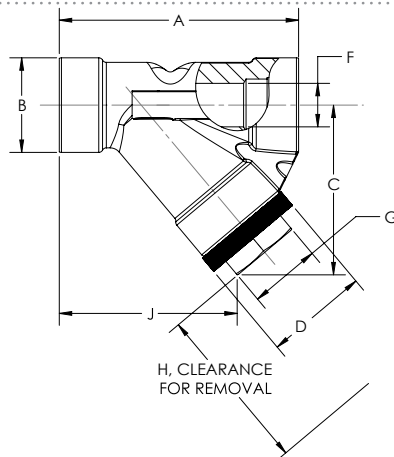
YS Series Y-Strainers

1/2", 3/4" AND 1" / DN15-DN25 PVDF

TECHNICAL INFORMATION, *CONTINUED*

PARTS LIST

1. Cap
2. O-Ring Seal
3. Cartridge
4. Body



SCREEN OPTIONS

PERFORATION SIZES	BASKET MATERIAL
1/16"	PTFE / PVDF
3/32"	

DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	F in / mm	G in / mm	H in / mm	J in / mm	WEIGHT lbs / kg SOC / THD
1/2 / 15	3.30/84	1.50/38	2.30/58	1.40/36	0.50/13	1.00/25	2.20/56	2.80/71	0.33/0.15
3/4 / 20	4.1/104	1.90/48	3.00/76	1.90/49	0.75/19	1.25/32	2.70/69	3.20/81	0.82/0.37
1 / 25	5.0/127	2.00/51	3.60/91	2.10/53	1.00/25	1.50/38	3.50/89	3.90/99	1.14/0.52

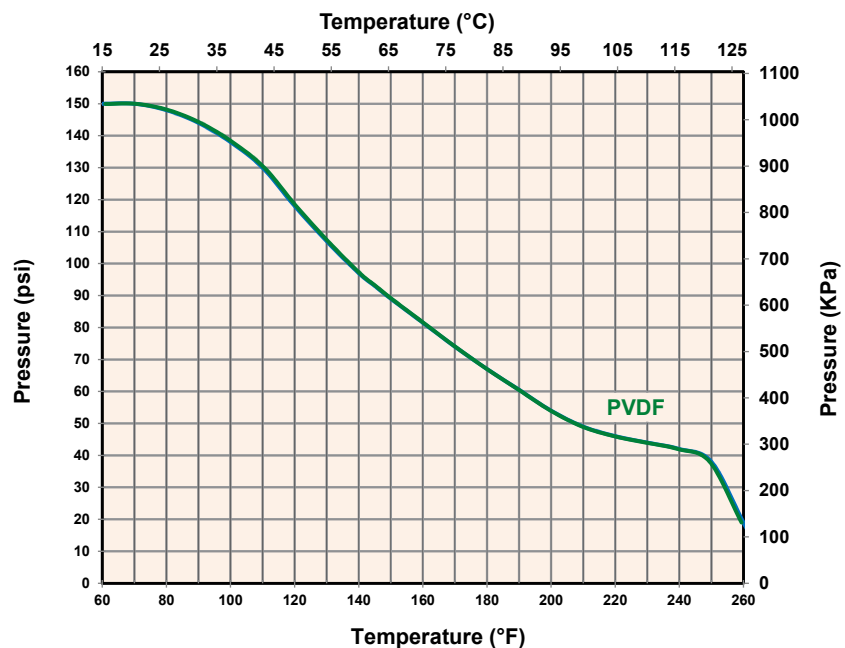
Dimensions are subject to change without notice – consult factory for installation information

Cv VALUES*

SIZE in / DN	Cv VALUES
1/2 / 15	4.0
3/4 / 20	6.8
1 / 25	9.0

* With standard 3/32" perforation.

OPERATING TEMPERATURE/PRESSURE



PRESSURE LOSS CALCULATION FORMULA

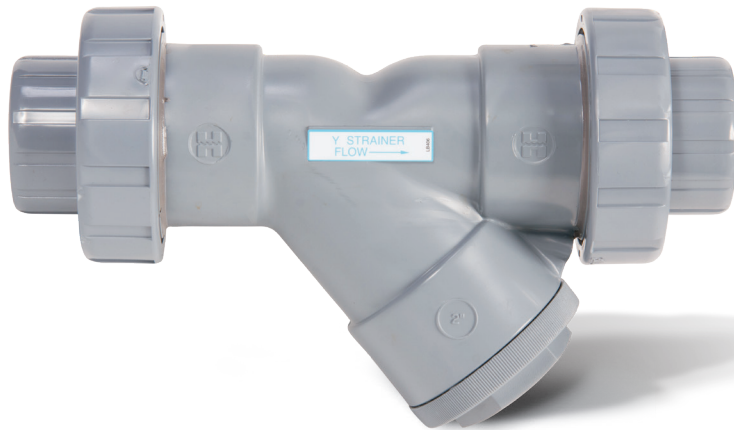
$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

ΔP = Pressure Drop
 Q = Flow in GPM
 C_v = Flow Coefficient



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 Visit us at: haywardflowcontrol.com



YS Series True Union Y-Strainers

1/2" - 2" / DN15-DN50 PVC, CLEAR PVC
AND CPVC

2-1/2" - 4" / DN65-DN100 PVC AND CPVC

KEY FEATURES

- True Union Connection for Ease of Installation
- Available in PVC, CPVC and Clear PVC Materials
- Horizontal or Vertical Installation
- FPM O-Ring Seals
- 2:1 Open Area Ratio
- Hex Cap for Easy Access to Screen
- Standard Screen has 1/32" Perforation

OPTIONS

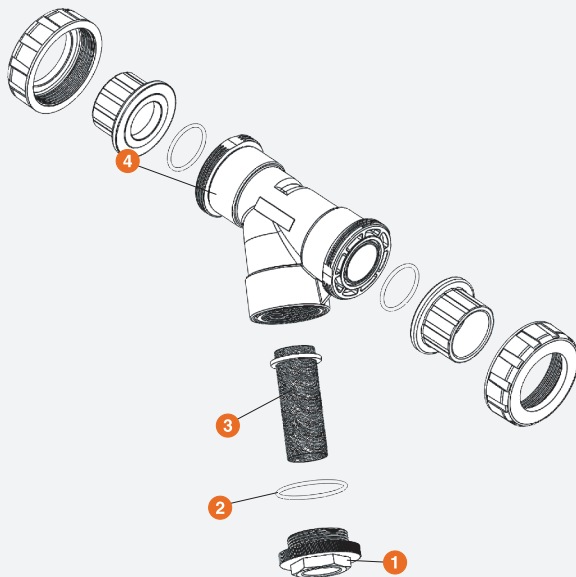
- Stainless Steel Perforated or Mesh Strainer Screens Available in Various Sizes and Alloys

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- Clear PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- FPM and EPDM O-Ring Seals

TECHNICAL INFORMATION

EXPLODED VIEW



SELECTION CHART

SIZE	MATERIAL	END CONNECTION	SEALS	PRESSURE RATING
1/2" – 1" (DN15 – DN25)	PVC, CPVC or Clear PVC	Socket, Threaded or Flanged	FPM and EPDM	150 PSI @ 70°F 10 Bar @ 21°C Non-Shock
1–1/4" (DN32)	PVC and Clear PVC			
1–1/2" (DN40)	PVC, CPVC or Clear PVC			
2" (DN50)				
2–1/2" (DN65)	PVC			
3–4" (DN80–DN100)	PVC and CPVC			

* PVC and CPVC socket ends available to ISO 727-1 and threaded ends to BS21. Flanged ends available in DIN / EN PN10.

**PVC and CPVC socket ends available per JIS K 6743. Threaded ends in PVC and CPVC are per JIS B 0203.

YS Series True Union Y-Strainers

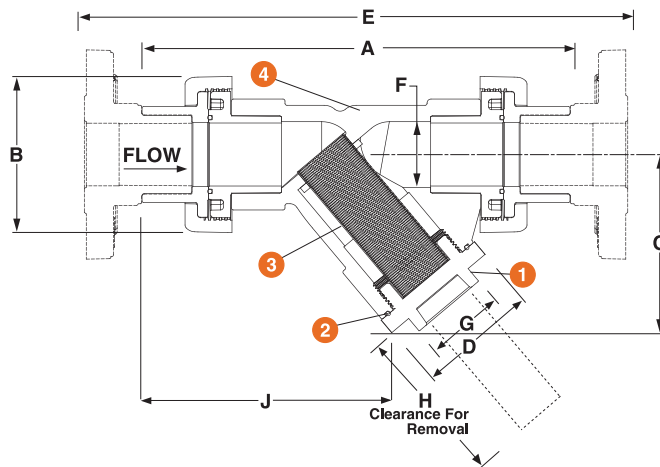
1/2" - 2" / DN15-DN50 PVC, CLEAR PVC AND CPVC

2-1/2" - 4" / DN65-DN100 PVC AND CPVC

TECHNICAL INFORMATION, CONTINUED

PARTS LIST

1. Cap
2. O-Ring Seal
3. Screen
4. Body
5. Union Nuts
6. End Connectors



SCREEN OPTIONS

PERFORATION SIZES	MESH SIZES	SCREEN MATERIAL
1/32"	20	SSTL, Hastelloy, Monel and Titanium
1/16"	40	
1/8"	60	
5/32"	80	
3/16"	100	
1/4"	200	
3/8"	325	PVC, CPVC
1/32"		
1/16"	N/A	
1/8"		
3/16"		

*Specific sizes only. Consult factory.

DIMENSIONS

SIZE in / DN	A in / mm	B in / mm	C in / mm	D in / mm	E in / mm	F in / mm	G in / mm	H in / mm	J in / mm	WEIGHT lbs / kg	
										SOC/ THD	FLANGED
1/2 / 15	6.64 / 167	2.25 / 57	2.25 / 57	1.50 / 38	N/A	.56 / 14	1.00 / 25	2.13 / 54	4.13 / 105	.61 / .28	N/A
3/4 / 20	7.42 / 188	2.63 / 67	2.88 / 73	2.00 / 51	N/A	.81 / 21	1.25 / 32	2.75 / 70	4.62 / 118	1.17 / .53	N/A
1 / 25	8.97 / 228	3.00 / 76	3.63 / 92	2.16 / 55	11.65 / 296	1.00 / 25	1.50 / 38	3.30 / 84	5.21 / 133	1.6 / .73	2.3 / 1.1
1-1/4 / 32	13.01 / 330	4.75 / 121	5.38 / 137	3.75 / 95	N/A	1.25 / 32	2.38 / 60	5.06 / 129	7.64 / 195	4.5 / 2.0	N/A
1-1/2 / 40	12.07 / 307	4.75 / 121	5.38 / 137	3.75 / 95	15.25 / 387	1.56 / 40	2.38 / 60	5.06 / 129	7.17 / 183	3.7 / 1.7	4.5 / 2.1
2 / 50	13.05 / 331	4.75 / 121	5.38 / 137	3.75 / 95	16.56 / 421	2.00 / 51	2.38 / 60	5.06 / 129	7.59 / 193	5.3 / 2.4	7.5 / 3.4
2-1/2 / 65	16.77 / 426	6.40 / 163	7.25 / 184	5.25 / 133	N/A	2.90 / 74	3.50 / 89	6.60 / 168	9.77 / 249	13.1 / 5.9	N/A
3 / 80	16.77 / 426	6.40 / 163	7.25 / 184	5.50 / 140	21.25 / 540	2.90 / 74	3.50 / 89	6.60 / 168	9.77 / 249	13.2 / 6.0	16.4 / 7.4
4 / 100	21.23 / 539	8.56 / 217	8.88 / 226	6.18 / 157	26.18 / 665	3.78 / 96	4.25 / 108	8.00 / 203	12.79 / 325	17.7 / 8.0	23.3 / 10.6

Dimensions are subject to change without notice – consult factory for installation information

Cv VALUES*

SIZE in/DN	Cv VALUES	SIZE in/DN	Cv VALUES
1/2 / 15	4.0	2 / 50	28
3/4 / 20	6.8	2-1/2 / 65	40
1 / 25	9.0	3 / 80	65
1-1/4 / 32	12	4 / 100	100
1-1/2 / 40	28		

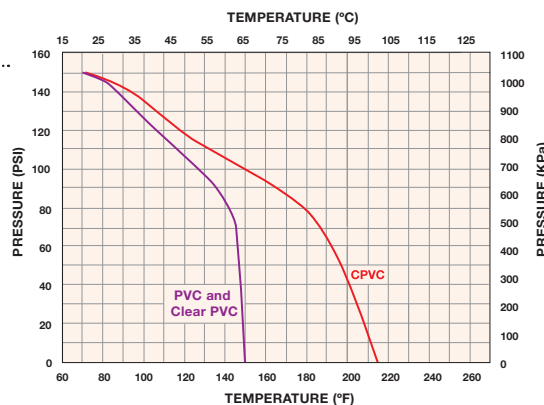
* With 1/32" plastic screen

PRESSURE LOSS CALCULATION FORMULA

$$\Delta P = \left[\frac{Q}{C_v} \right]^2$$

ΔP = Pressure Drop
 Q = Flow in GPM
 C_v = Flow Coefficient

OPERATING TEMPERATURE/PRESSURE



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Liquid Filters and Strainers



Bag Filter vessel

- GFPP
- PVC
- CPVC



Y Strainers

- PVC
- CPVC
- Clear PVC
- PVDF



Simplex Strainers

- PVC
- CPVC
- GFPP
- PVDF
- Eastar® (Clear)



Duplex Strainers

- PVC
- CPVC
- GFPP
- Eastar® (Clear)

Valves and Flow Control



Ball Valves

- PVC
- CPVC
- GFPP
- PVDF



Check Valves

- Ball Check Valves
- Y-Check Valves
- Wafer Check Valves
- Swing Check Valves



Pressure & Chemfeed

- Injection Quills
- Back Pressure
- Pressure Relief
- Diaphragm Valves
- Needle Valves
- Angle Globe Valves



Butterfly Valves

- PVC
- CPVC
- GFPP
- PP
- PVDF



Actuation

- Electric
- Pneumatic



Solenoid Valves

- PVC
- CPVC
- PVDF



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