



Air Foam System

Paradise builds the reliability, we guarantee

Air Foam Head



Air Foam Head

Paradise Air Foam head is designed for use in fixed type air foam system and offers high degree of precision and ideal foaming performance.

Specification

Model No	FH 520	FH 550
Screw Size	15A(PT1/2")	20A(PT3/4")
Flow Rate	35ℓ /min	85ℓ /min
Standard Pressure	0.3MPa	0.3MPa
Weight	8kg/Box	12.5kg/Box
Packing(Ea)	50	50

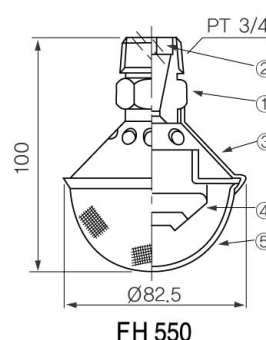
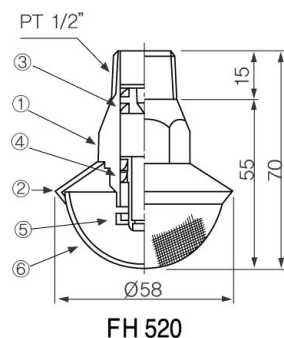


FH 520



FH 550

Assembly diagram



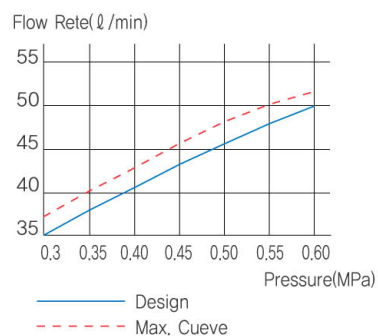
(FH 520)

No.	Part	Material
1	Body	Brass
2	Cover	Brass
3	Spiral	Brass
4	Sleeve	Brass
5	difflector	Brass
6	Net	STS

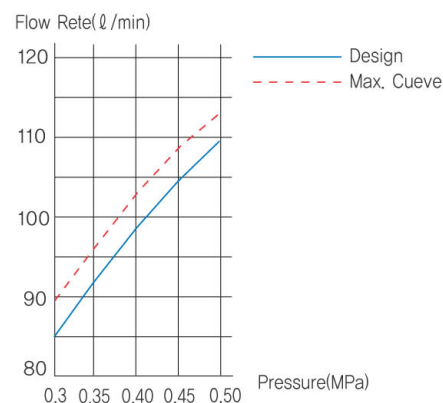
(FH 550)

No.	Part	Material
1	Oripice	Brass
2	Nozzle	Brass
3	Body	Brass
4	Guide Panel	STS
5	Net	STS

FH 520 Pressurized Flow Curve



FH 550 Pressurized Flow Curve



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Auto Control Valve

Paradise automatic control valve can be applied as a local valve for air foam system using Open-Type sprinkler, drench head or air foam head for hazardous material storage or special industrial facilities such as fuel storage tank, chemical plant, parking lot and etc.

Common Specification

Connection	Vertical or Horizontal
Max. Pressure	1.4MPa
Min. Pressure	1.5MPa
Test Pressure	2.0MPa
Flange Size	KSB 1513 10K
Surface Color	Red
Pressure Loss	In 0.03MPa/cm ²



FCV

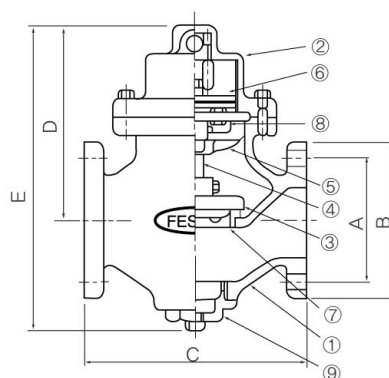
Specification

Model no	FCV 50	FCV 65	FCV 80	FCV 100
Size	50A	65A	80A	100A
Max. Flow (6m/s)	700ℓ/min	1,200ℓ/min	1,800ℓ/min	2,100ℓ/min(4.5m/s)
Weight(kg)	16.5	23.5	28.5	48.5
Packing(Ea)	1			

Dimension

Model No \ Size	A	B	C	D	E
FCV 50	120	155	200	176	287
FCV 65	140	175	220	199	320
FCV 80	150	185	240	233	368
FCV 100	175	210	300	266	416

Assembly diagram



No.	Part	Material
1	Body	Cast Iron (GC200)
2	Cover	Cast Iron (GC200)
3	Disc	Cast Iron (GC200)
4	Shaft	Brass
5	Guide	Cast Iron (GC200)
6	Piston	Bronze (BC6)
7	Seat Ring	Bronze (BC6)
8	Ball Check Valve	Brass
9	Plug	Cast Iron (GC200)

Air Foam Head



Auto Control Valve

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FCVB

Specification

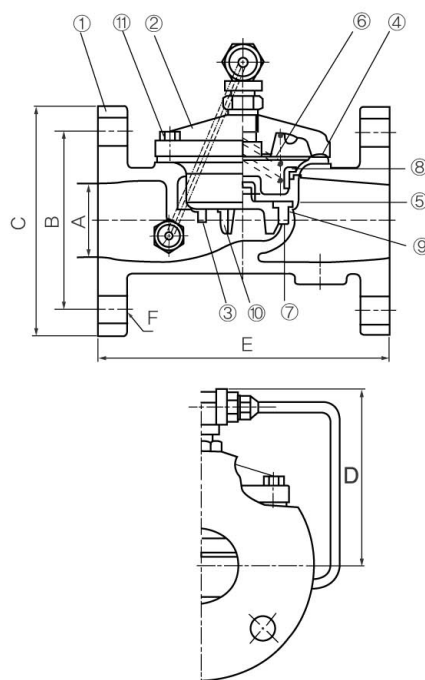
Model no	FCVB 50	FCVB 65	FCVB 80
Size	50A	65A	80A
Max. Flow (6m/s)	700 ℓ /min	1,200 ℓ /min	1,800 ℓ /min
Weight(kg)	11kg	14kg	16.5kg
Packing(Ea)	17#		

※ Solenoid (within circle) is optional.

Dimension

Model No \ Size	A	B	C	D	E	F
FCVB 50	50	120	155	115	200	4-Ø19
FCVB 65	65	140	175	129	220	4-Ø19
FCVB 80	80	150	185	153	254	8-Ø19

Assembly diagram



No.	Part	Material
1	Body	Cast Iron (GC200)
2	Cover	Cast Iron (GC200)
3	Seat Ring	Bronze (BC6)
4	Clapper Rubber	EPDM
5	Clapper	Cast Iron (GCD45)
6	Spring	STS 304
7	O-Ring	NBR
8	Clamp Ring	Cast Iron (GCD45)
9	Seat Rubber	EPDM
10	Guide	Cast Iron (GCD45)
11	Bolt	Steel



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Foam Mixer

Operation

Paradise FFP type foam mixer is used for fixed type air foam fire extinguishing system. In case of fire, the pressurized water from the pump is passed along inside the air foam mixer. Water will maintain the pressure balance between the inlet orifice and outlet orifice, which will cause the foam liquid to be absorbed into the water that passes along the 2nd. orifice. The mixture of water and liquid will be sent to the sprinkler.

Specification

Model No	FFP
Max. Pressure	1.4MPa
Hidrostatic Test Pressure	2.0MPa
Mxing Ratio	3%, 6%
Size	50, 65, 80, 100, 125 ,150A
Flange Size	KSB 1513 10K
Color	red

FFP

Dimension

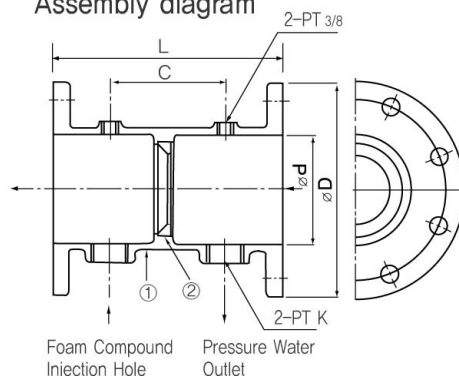
Model No \ Size	d	D	L	C	K
FFP-50	55	155	280	132	1¼"
FFP-65	70	175	280	132	1¼"
FFP-80	85	185	280	140	1¼"
FFP-100	105	210	280	140	1¼"
FFP-125	130	250	280	140	1½"
FFP-150	155	280	300	152	1½"

Flow Rate

Unit : ℓ /min

Size	A TYpe	B TYpe
FFP50	70~350	30~250
FFP65	100~650	50~400
FFP80	200~1000	100~550
FFP100	300~1600	150~800
FFP125	500~1800	250~1200
FFP150	500~2400	300~1800

Assembly diagram



No.	Part	Material
1	Body	GC200
2	Orifice	BC6

Air Foam Head



Fixed Foam Monitor

Paradise fixed foam monitor is available in level type and gear type, among which you are to select depending on the capacity and function. Vertical nozzle uses water nozzle or foam nozzle depending on the type of liquid used. Connection flange can be manufactured based on ANSI or KS standard upon request.



Gear Type

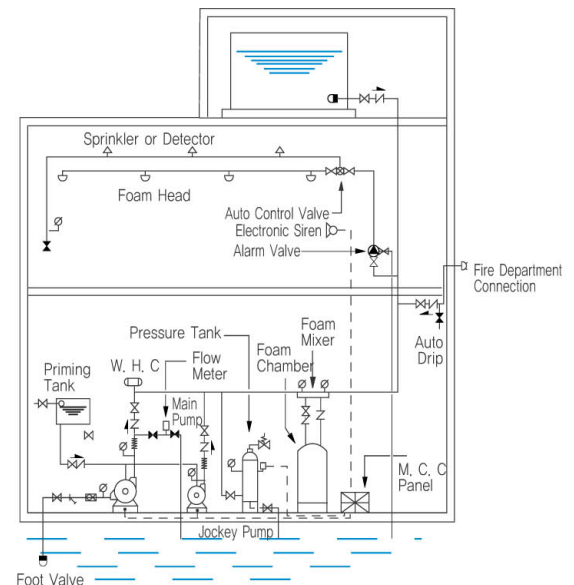
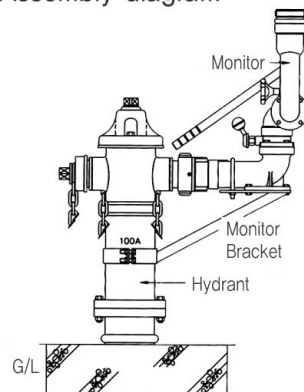


Level Type

Specification

Model No	FML-11	FML-12	FML-21	FML-22	FML-23
Driving Type	Lever	Lever	Gear	Gear	Gear
Outlet	FE65	FE65	FE65	FE65	FE65
Inlet	2½"FLG	2½"FLG	2½"FLG	3"FLG	3"FLG
Material(Body)	Bronze	AL-Alloy	Bronze	Bronze	Bronze
Hydrostatic Pressure	2.0MPa	2.0MPa	2.0MPa	2.0MPa	2.0MPa
Driving Range	Up	+90°	+90°	+90°	+90°
	Down	-45°	-90°	-45°	-45°
	R/L	360°	360°	360°	360°
Height(mm)	510	580	620	600	735

Assembly diagram



Air Foam System

Air foam system works by chemical reaction generated by the mixture of water and foam liquid, triggered by fire detector and is suitable against fire in fuel storage, parking lot and hazardous material storage. Opaline foam, fluoride opaline, homogeneous foam, special foam can be used in the system. The air foam contains 3% or 6% foam liquid in water. Special consideration should be given when implementing this system.

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Foam Liquid Tank

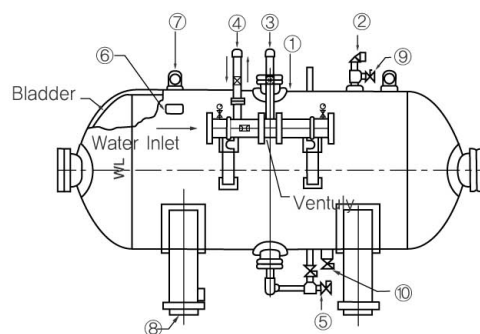
Paradise foam liquid tank is available in Balanced Pressure Proportioning System and Pressure Proportioning System. It can be custom ordered for your requirements.

Specification

Category	
Type	Horizontal / Vertical
Hidrostatic Test Pressure	20MPa
NDT	RT, MT, PT
Applicable Code	KSB 6231
Color	Red/Yellow
Paint	Enamel & Epoxy
Heat Conservation	Opional
Flange Connection	KSB, JIS, ANSI
material	Carbon Steel, Stainless Steel

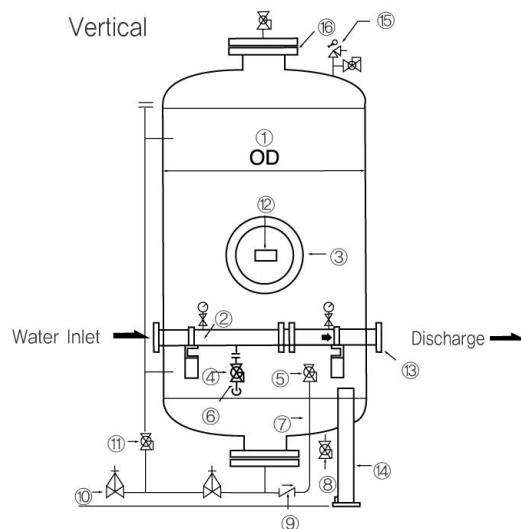
Assembly diagram

Horizontal



No.	Parta	Material	Qty
1	Level Gauge	STS, Glass	1
2	Safety Valve	Bronze	1
3	Foam Outlet Line	SPP	1
4	Water Inlet Line	SPP	1
5	Liquid Filling Valve	Bronze	1
6	Name Plate	STS	1
7	Lifting	SS41	2
8	Sliding Plate	SS41	1
9	Vent Valve	Bronze	1
10	Liquid Drain Valve	Bronze	1

Vertical



No.	Parta	Material	Qty
1	Tank	SS41	1
2	Proportioner	SPP	1
3	Manhole Cover	SS41	1
4	Water Line Valve	Bronze	1
5	Foam Line Valve	Bronze	1
6	Water Line Pipe	SPP	1
7	Foam Outlet Pipe	SPP	1
8	Water Drain Valve	Bronze	1
9	Check Valve	Bronze	1
10	Foam Inlet Valve	Bronze	1
11	Level Gauge Valve	Bronze	1
12	Name Plate	STS	1
13	Flange	SS41	4
14	Lug	SS41	4
15	Safety Valve	GC	1
16	Flange	SS41	2



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