

PRODUCT CATALOGUE



AUTOMATIC DRAIN VALVE

Model - EDV-16X



CONCEPT EDV-16X is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1-128 Min. Adjustable
- Drain Time : 4 Sec. (Other on request)
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Yellow)- 'On' after every 15 sec. Indicate Healthiness of timer
LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/4" / 1/2" / 3/4" / 1" BSP (F)
- Working Pressure : 16 Kg./cm²
- Valve Body : Bar Stock Aluminium with anodizing (Brass & S.S. On request)
- Orifice : 2.5 mm



Model - EDV-16X

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for Valve Healthiness - Easy to Replace - 'O' Ring seal on Cycle Adjustment pots to Ensure Weather Proof Sealing - Small Compact Resistant ABS Timer

Automatic Drain Valve Model : EDV-16X

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
EDV - 161	2.5 mm	16 Kg/cm ²	1/2" BSP (F)	Poppet Type, Compact, Test Switch, Fault Indication, Inbuilt Strainer	Small Receivers, Moisture separator, Drip Legs	Low cost, High Performance, Valve for Low Pressure applications.
EDV - 162	2.5 mm	16 Kg/cm ²	1" BSP (F)			
EDV - 163	2.5 mm	16 Kg/cm ²	3/4" BSP (F)			
EDV - 164	2.5 mm	16 Kg/cm ²	1/4" BSP (F)			



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - EDV-251 / 351



CONCEPT EDV-251/351 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1 - 128 Min. Adjustable
- Drain Time : 4 Sec.
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : ½" BSP (F)
- Working Pressure : 25 / 35 Kg./cm²
- Valve Body : Bar Stock Aluminium or S.S. 304
- Orifice : 1.3 / 1.8 mm



Model - EDV-251/351

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for valve healthiness - Easy to replace
'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Small compact resistant ABS Timer
- 12 Months Warranty - No tool required to replace timer.

Automatic Drain Valve Model : EDV-251/351

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
EDV - 251	1.8 mm	25 Kg/cm ²	½" BSP (F)	Poppet Type Compact Test Switch Fault Indication Inbuilt Strainer	Small Receivers, Air Bottles	Low cost, High Performance, Valve for High Pressure applications
EDV - 351	1.3 mm	35 Kg/cm ²	½" BSP (F)			



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - EDV-701



CONCEPT EDV-701 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1 - 128 Min. Adjustable
- Drain Time : 4 to 15 Sec. Adjustable
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/2" BSP (F)
- Working Pressure : 70 Kg./cm²
- Valve Body : Bar Stock Brass (Other on request)
- Orifice : 0.9 mm
- Manual Drain : Manual Drain by test switch



Model - EDV-701

Features - Fully Automatic - No Maintenance - Manual Test Switch - Manual Drain - Adjustable Drain Time 4 to 15 Sec. Adjustable Interval Time 2 to 256 Min. - 'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Glass filled nylon coil former - Small compact resistant ABS Timer - 12 Months Warranty

Automatic Drain Valve Model : EDV-701

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
EDV - 701	0.9 mm	70 Kg/cm ²	1/2" BSP (F)	Poppet Type	Small Receivers, Air Bottles	Low cost, High Performance, Valve for High Pressure applications



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - EMD-12X



CONCEPT EMD-12X is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1-128 Min. Adjustable
- Drain Time : 4 Sec. (Other on request)
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Yellow)- 'On' after every 15 sec. Indicate healthiness of timer
LED (Green)- 'On' during drain cycle



Model - EMD-12X

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/2" / 3/4" / 1/4" / 1" BSP (F)
- Working Pressure : 12 Kg/cm²
- Valve Body : Bar Stock Aluminium with anodizing
(Brass & S.S. on request)
- Orifice : 5.0 mm

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for valve healthiness - Easy to replace 'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Small compact resistant ABS Timer - 12 Months Warranty - No tool required to replace timer.

Automatic Drain Valve Model : EMD-12X

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
EMD - 121	5.0 mm	12 Kg/cm ²	1/2" BSP (F)	Poppet Type, Compact, Test Switch, Fault Indication, Inbuilt Strainer	Small Receivers, Moisture separator, Drip Legs	Low cost, High Performance, Valve for Low Pressure applications.
EMD - 122	5.0 mm	12 Kg/cm ²	1" BSP (F)			
EMD - 123	5.0 mm	12 Kg/cm ²	3/4" BSP (F)			
EMD - 124	5.0 mm	12 Kg/cm ²	1/4" BSP (F)			



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - ETD-121



CONCEPT ETD-121 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1-128 Min. Adjustable
- Drain Time : 4 to 15 Sec. Adjustable
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/2" BSP (F)
- Working Pressure : 12 Kg/cm²
- MWP : 16 Kg/cm²
- Valve Body : Bar Stock Aluminium
- Orifice : 4 mm
- Manual Drain : Manual drain by test switch



Model - ETD-121

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for Valve Healthiness - Easy to Replace - 'O' Ring seal on Cycle Adjustment pots to Ensure Weather Proof Sealing - Small Compact Resistant ABS Timer

Automatic Drain Valve Model : ETD-121

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
ETD-121	4 mm	12 Kg/cm ²	1/2" BSP (F)	Poppet Type	Small Receivers, Air Bottles	Low cost, High Performance, Valve for Low Pressure applications



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - HDV-151



CONCEPT HDV-151 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1-128 Min. Adjustable
- Drain Time : 4 to 15 Sec. Adjustable
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Yellow)- 'On' after every 15 Sec. Indicate healthiness of timer
LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/2" BSP (F)
- Working Pressure : 15 Kg/cm²
- Valve Body : Bar Stock Aluminium
- Orifice : 12 mm
- Pilot Pressure : Minium 2.5 Kg/cm²



Model - HDV-151

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for Valve Healthiness - Easy to Replace - 'O' Ring seal on Cycle Adjustment pots to Ensure Weather Proof Sealing - Small Compact Resistant ABS Timer

Automatic Drain Valve Model : HDV-151

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
HDV-151	12 mm	15 Kg/cm ²	1/2" BSP (F)	Poppet Type	Small Receivers, Air Bottles	Low cost, High Performance, Valve for Low Pressure applications



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - HDV-152



CONCEPT HDV-152 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1-128 Min. Adjustable
- Drain Time : 4 to 15 Sec. Adjustable
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Yellow)- 'On' after every 15 Sec. Indicate healthiness of timer
LED (Green)- 'On' during drain cycle



Model - HDV-152

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1" BSP (F)
- Working Pressure : 15 Kg./cm²
- Valve Body : Bar Stock Aluminium
- Orifice : 25 mm
- Pilot Pressure : Minimum 2.5 Kg/cm²

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for Valve Healthiness - Easy to Replace - 'O' Ring seal on Cycle Adjustment pots to Ensure Weather Proof Sealing - Small Compact Resistant ABS Timer

Automatic Drain Valve Model : HDV-152

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
HDV-152	25 mm	15 Kg/cm ²	1" BSP (F)	Poppet Type	Small Receivers, Air Bottles	Low cost, High Performance, Valve for Low Pressure applications



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - HPV-401



CONCEPT HPV-401 is Designed to Remove Condensate from Compressed Air-Systems. Most Suitable for installation on Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1-128 Min. Adjustable
- Drain Time : 4 Sec. (Other on request)
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications
 - LED (Red)- Power On
 - LED (Yellow)- 'On' after every 15 sec. Indicate healthiness of timer
 - LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : ½" BSP (F)
- Working Pressure : 40cm²
- Valve Body : Gun Metal
- Orifice : 12 mm
- Pilot Pressure : Minimum 2.5 Kg/cm²



Model - HPV-401

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for Valve healthiness - Easy to replace - 'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Small compact resistant ABS Timer - 12 Month Warranty - No tool required to replace timer

Automatic Drain Valve Model : HPV-401

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
HPV-401	12 mm	40 Kg/cm ²	½" BSP (F)	High Discharge Pilot Operated Test Switch Fault Indication	Small Receivers, Air Bottles	Low cost, High Performance, Valve for High Pressure applications



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - MOIST DRAIN-50



CONCEPT MOIST DRAIN-50 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1 - 128 Min. Adjustable
- Drain Time : 4 Sec.
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Green)- 'On' during drain cycle



Model - MOIST DRAIN - 50

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : ½" 1" BSP (F)
- Working Pressure : 12 Kg/cm²
- Valve Body : Bar Stock Aluminium with anodizing
- Orifice : 0.5 mm

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for valve healthiness - Easy to replace
'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Small compact resistant ABS Timer
- 12 Months Warranty - No tool required to replace timer.

Automatic Drain Valve Model : MOIST DRAIN-50

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
MOIST DRAIN-50	5.0 mm	12 Kg/cm ²	½" BSP (F)	Poppet Type Compact Test Switch Fault Indication Inbuilt Strainer	Small Receivers, Air Bottles	Low cost, High Performance, Valve for High Pressure applications
MOIST DRAIN-50	5.0 mm	12 Kg/cm ²	1" BSP (F)			



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - SMART EDV-251 / 351



CONCEPT SMART EDV-251/351 is Designed to Remove Condensate from Compressed Air-Systems. Most Suitable for installation on Compressors After Coolers, Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Interval Time : 1 - 128 Min. Adjustable
- Drain Time : 4 to 15 Sec. Adjustable
- Supply Voltage : 230VAC (160-260), 50Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Housing Material : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Green)- 'On' during drain cycle

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : ½" BSP (F)
- Working Pressure : 25 / 35 Kg./cm²
- Valve Body : Bar Stock Aluminium (Other on request)
- Orifice : 1.3 / 1.8 mm



Model - SMART EDV-251/351

Features - Fully Automatic - Manual Test Switch - Manual Drain - Adjustable Drain Time 4 to 15 Sec. Adjustable Interval Time 2 to 256 Min. - 'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Glass filled nylon coil former - Small compact resistant ABS Timer - 12 Months Warranty

Automatic Drain Valve Model : SMART EDV-251/351

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
SMART EDV - 251	1.8 mm	25 Kg/cm ²	½" BSP (F)	Poppet Type	Small Receivers, Air Bottles	Low cost, High Performance, Valve for High Pressure applications
SMART EDV - 351	1.3 mm	35 Kg/cm ²	½" BSP (F)			



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CONCEPT
ADV - R-01

Amogh-dd-23

MICRO CONTROLLER AUTO DRAIN



TECHNICAL SPECIFICATION

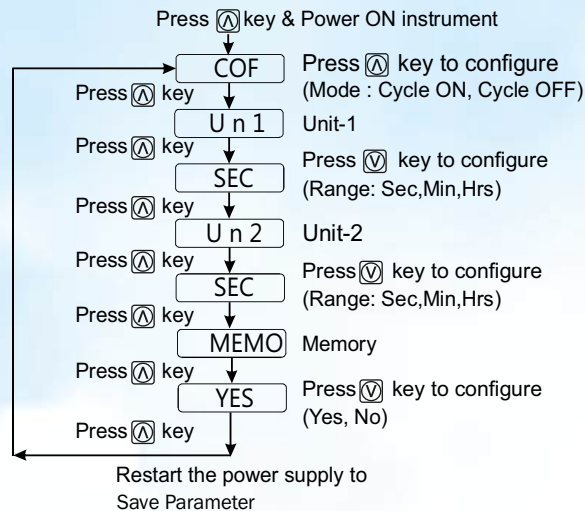
Display : 3 Digit 7 Segment LED
Supply : 110 V AC/230 V AC, 50Hz (Please Specify)
Range : ONTIME (0-999 S/M/H (Factory set 1-9 Sec.)
OFF Time : 0-999 S/M/H (Factory set 99.9 Min.)

INDICATIONS (LED)

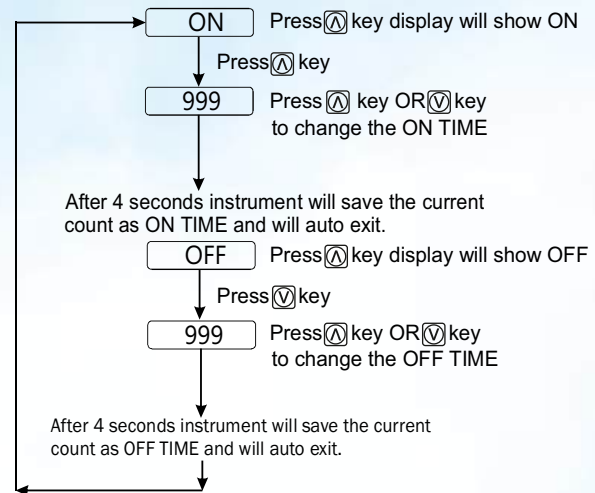
S : Set time in Seconds
M : Set time in Minute
H : Set time in Hours
ON : Valve ON

Enclosure : Polycarbonate with IP65 (Weather Proof)
Valve : Aluminum / Brass / SS 304 / SS 316 (As per requirement)
Working Pressure : 12 Kg/cm² / 16 Kg/cm² / 40 Kg/cm² / 70 Kg/cm²
Connection : 1/4"/1/2"/3/4"/1" BSP (F) or NPT (F) (On Demand)

MENU 1



MENU 2



DIP SWITCH SETTING

Use Dip switch to configure
SWITCH 1, SWITCH 2, SWITCH 3 & SWITCH 4 for DP Selection.

ON TIME			OFF TIME		
SWITCH-1	SWITCH-2	RANGE	SWITCH-3	SWITCH-4	RANGE
ON	ON	999	ON	ON	999
ON	OFF	99.9	ON	OFF	99.9
OFF	ON	9.99	OFF	ON	9.99
OFF	OFF	.999	OFF	OFF	.999

For Example, If we want to configure the timer like on time 99.9 seconds & off time 999 Min. Set the DIP switches as shown in figure.

WP	ORIFICE (in mm)	ON	OFF	ON	ON
12	5.0/4.0	ON	OFF	ON	ON
16	2.5	ON	OFF	ON	ON
40	1.3	ON	OFF	ON	ON
70	0.9	ON	OFF	ON	ON

Model Selection

Amogh-d23
MCD

XX X

Pressure
12 - 12 Kg/cm²
16 - 16 Kg/cm²
40 - 40 Kg/cm²
70 - 70 Kg/cm²

1 - 1/2"
2 - 1"
3 - 3/4"
4 - 1/4"

XX

Body Material
Aluminum - AL
Brass - BR
SS - SS-304*

* SS-316 Available on request

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Amogh-d-23

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MOTORISED AUTO DRAIN VALVE

Model - CMBV-A40



CONCEPT CMBV-A40 with many advanced features suitable for dusty, oily and extremely adverse conditions.

Model	Connection	MWP (Kg/cm ²)
CMBV-A16	1/2"	16
CMBV-A40	1/2"	40

Features :

- Valve body S.S. 304
- Suitable for mounting in open
- O-ring & Sealing of Teflon
- Auto close in case of power failure



Model - CMBV-A40

Technical specification:

Maximum Compressor Capacity	Any size (Recommended for 1500 cfm & above)
MWP	0-16 Kg/cm ² / 0-40 Kg/cm ²
Supply voltage options	115VAC, 230VAC, 24VDC, 50Hz (Depending on model)
Max. Fluid temperature	60°C
Time cycle range (ON/OFF)	6 Sec.-45 Sec.(ON), 4Min-48Hrs.(OFF). or 6 Sec.-15 Min.(ON), 3mm-24Hrs(OFF)
Actuator pcb	Microprocessor Based (User specific factory programmable)
Timer cycle indication	Bright LED illumination, LED program indicator
Test button	Yes
Valve type	2/2 way, Motorised ball valve
Valve orifice	12mm
Valve seals	FPM and Teflon
Inlet/Outlet connectons	1/2" (BSP) F, 1/2" NPT(F) optional
Serviceable	Yes
Interval & Drain time	Programmable **(As Per Below table)
Power connections	Cable & Plug (Optional) DIN 43650 A with Power Indication
Environmental protection	IP-65
Protection (Optional)	Input supply surge protection (For DIN43650)
Cable	1 Mtr. (Standard) or as per customer requirement

PROGRAMMING**				OPTIONAL*	
Valve Open Time (ON)		Interval Time (OFF)		Valve Open Code (ON)	Interval Time (OFF)
CODE	Seconds	CODE	Minutes		
A	6	0	4	A	6 Sec.
B	7	1	8	B	9 Sec.
C	9	2	16	C	14 Sec.
D	12	3	32	D	19 Sec.
E	15	4	64	E	24 Sec.
F	18	5	128	F	30 Sec.
H	22	6	256	G	45 Sec.
L	30	7	720	H	1 Min.
U	35	8	1440	P	5 Min.
P	45	9	2880	L	15 Min.



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CONCEPT
ADV - R-01

Amogh-dd-23 motorised

MICROCONTROLLER PROGRAMABLE MOTORISED AUTO DRAIN



TECHNICAL SPECIFICATION

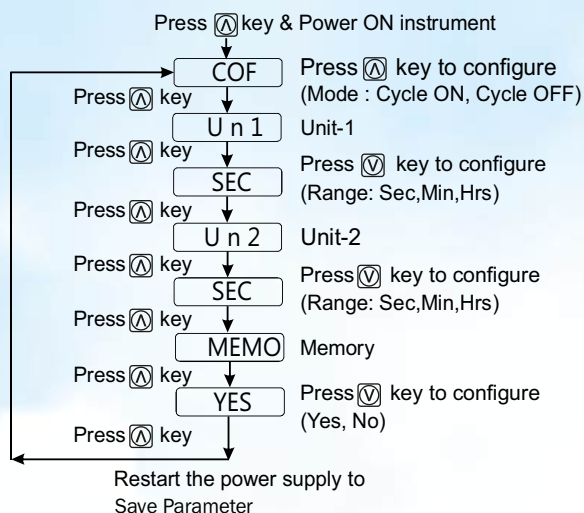
Display : 3 Digit 7 Segment LED
Supply : 110 V AC/230 V AC, 50Hz (Please Specify)
Range : ONTIME (0-999 S/M/H (Factory set 1-9 Sec.)
OFF Time : 0-999 S/M/H (Factory set 99.9 Min.)

INDICATIONS (LED)

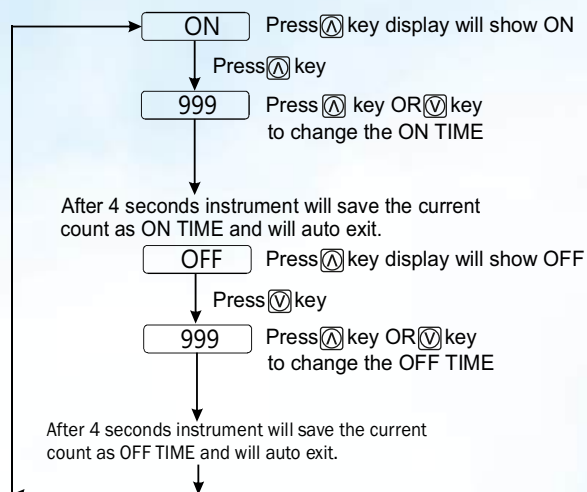
S : Set time in Seconds
M : Set time in Minute
H : Set time in Hours
ON : Valve ON

Enclosure : Polycarbonate with IP65 (Weather Proof)
Valve : SS 304 (As per requirement)
Working Pressure : 16 Kg/cm² / 40 Kg/cm²
Connection : 1/2" BSP (F)

MENU 1



MENU 2



DIP SWITCH SETTING

Use Dip switch to configure
SWITCH 1, SWITCH 2, SWITCH 3 & SWITCH 4 for DP Selection.

ON TIME			OFF TIME		
SWITCH-1	SWITCH-2	RANGE	SWITCH-3	SWITCH-4	RANGE
ON	ON	999	ON	ON	999
ON	OFF	99.9	ON	OFF	99.9
OFF	ON	9.99	OFF	ON	9.99
OFF	OFF	.999	OFF	OFF	.999

For Example, If we want to configure the timer like on time 99.9 seconds & off time 999 Min. Set the DIP switches as shown in figure.

WP	ORIFICE (in mm)	ON	OFF	ON	ON
12	5.0/4.0	ON	OFF	ON	ON
16	2.5	ON	OFF	ON	ON
40	1.3	ON	OFF	ON	ON
70	0.9	ON	OFF	ON	ON

Model Selection

Amogh-dd23
MCD

XX X

Pressure
12 - 12 Kg/cm²
16 - 16 Kg/cm²
40 - 40 Kg/cm²
70 - 70 Kg/cm²

1 - 1/2"
2 - 1"
3 - 3/4"
4 - 1/4"

Body Material
Aluminum - AL
Brass - BR
SS - SS-304*

* SS-316 Available on request

XXXX

S. No.

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Amogh-dd-23 motorised

ISO 9001:2015 Certificate No.
114629/A/0001/UK/En

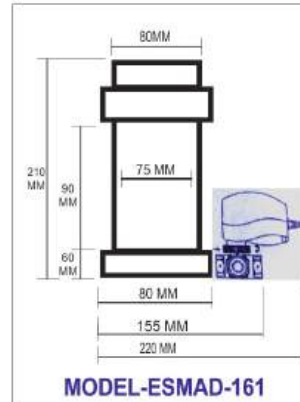


MOTORISED AUTO DRAIN VALVE

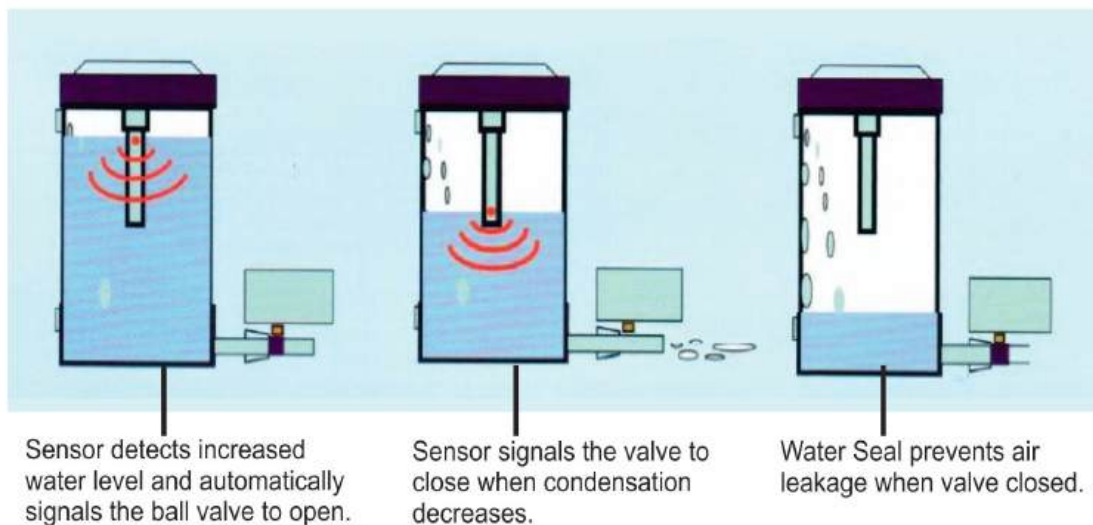
ZERO AIR LOSS (ESMAD-161/401)



Model - ESMAD-161



At Side Installation



Comparison with Motorised Timer Drain (CMBV) Level Sensing Motorised Drain (ESMAD) and Level Sensing Solenoid Drain (ESSAD)

FEATURES	NO AIR LOSS MOTORISED AUTO DRAIN (ESMAD)	TIMER MOTORISED AUTO DRAIN (CMBV)	LEVEL SENSING SOLENOID AUTO DRAIN (ESSAD)
AIR LOSS	NO	YES	NIL
ORIFICE	FULL	FULL	SMALL
CLOGGING	NO	NO	POSSIBLE
ROI	YES	NO	YES
SUITABLE FOR RECEIVER CAPACITY	LOW-TO-HIGH	HIGH	LOW-TO- MEDIUM
PROGRAMMING	NOT REQUIRED	REQUIRED AND COMBURSOME	NOT REQUIRED
MAINTENANCE	VERY LOW	YES	LOW
REMOTE INDICATION	YES	NO	NO

ESMAD-161 TECHNICAL FEATURES

- Level Sensing 'NO AIR LOSS'.
- Full orifice 12 mm (½) and 24 mm (1").
- Condensate storage tank made in Aluminium.
- Operating pressure 2~16 bars.
- Ball valve Brass/SS-316/Brass Nickel Plated components.
- Ball of SS-316.
- Drain channel diameter 12 mm, no. clogging.
- Drain passage in straight line.
- Pilot Pressure 2.0 Kg/cm² (minimum)
- C/o Contacts 6A/230VAC for Remote indication/Alarm (optional)
- High torque motor 10 NM.
- LED indication for.
 - Drain
 - Supply
- Test switch for manual operation.
- Easy installation.
- Indication LED when drain.
- Change over contacts for indication or alarm (optional).
- Supply voltage : 230VAC± 10% or 110VAC± 10% (optional).

AIR LOSS CALCULATION IN MOTORISED TIMER / PROGRAMMABLE AUTO DRAIN

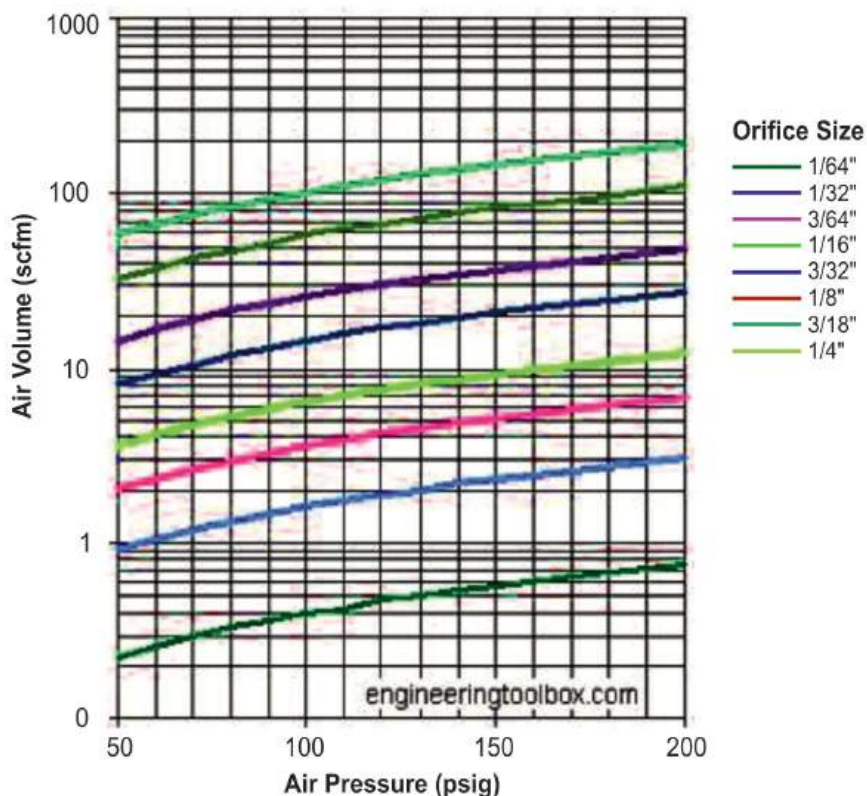
Refer Below graph for the AIR LOSS for various orifice of valve at different pressure.

Let's Assume

The Auto Drain of 1/2 inch having orifice of 12 mm is installed in the system having pressure 7 Kg/cm² and set for 15 sec. operation at every 15 minutes of interval and compressor is running for 8 Hrs. per shift only.

1. As per graph air loss from 1/4 inch orifice at pressure 7 Kg/cm² is approximately 100 cfm.
2. So the valve with 1/2 inch (12mm) orifice will have AIR LOSS of 200 CFM.
3. AIR LOSS per day per Shift (8 Hrs.) = 1600 CFM
4. Assuming 1HP compressor produce 4 CFM (FAD).
5. POWER LOSS will be = $1600/4$ HP=400 HP=294 KW
6. Now let's assume that Air Loss is only 25% of above as some moisture will also we drained, so power loss will be $294/4=73.5$ KW
7. Electricity Unit rate INR 7 per KWH, total loss $73.5 \times 7 =$ INR 514 per 8 Hrs shift
8. Loss per year= $514 \times 30 \times 12 =$ INR 1,85,040

The diagram below indicates the air leakage or air volume passing through orifices ranging size 1/64-1/4 inches. for well rounded nozzles multiply the values in the diagram with 0.97. for sharp edged nozzles multiply the values with 0.65.



- 1 psig = 6.9 kPa = 0.069 bar
- 1 inch = 25.4 mm
- 1 scfm = 0.472 n/s



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MOTORISED AUTO DRAIN VALVE

Model - ZERO AIR LOSS (ESSAD-161)



CONCEPT ESSAD-161 is Designed to Remove Condensate from Compressed Air Systems. Most Suitable for installation, Moisture Separator etc. Valve has facility to drain manually on power failure.

Specifications :

Timer

- Supply Voltage : 240 VAC (180-260 VAC) 50 Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Enclosure Housing : Aluminum
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/2" BSP (F)
- Working Pressure : 16 Kg/cm²
- Valve Body : Bar Stock Aluminium
- Orifice : 2.5 mm



Model - ESSAD-161

Benefits

- Energy Efficient
- Reliable all digital electronic circuit
- High Reliability
- Power & Drain status indicator
- Low Maintenance

Motorised Auto Drain Valve - ESSAD - 161

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
ESSAD-161	2.5 mm	16 Kg/cm ²	1/2" BSP (F)	Test Switch, Inbuilt Strainer	Big Size Receivers	High Performance, Valve for Air Receiver



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CONCEPT
ADV - R-01

AUTOMATIC DRAIN VALVE

Model - FLTD-161



Specifications :

Timer

- Connection Ports : G-½"
- Seal Material : NBR
- Media : Water
- Working Pressure : 0 - 16 bar
- Working Temp. : -10°C to 80°C
- Working Type : Leverage and Buoyancy Type
- Max. Pressure : 20 bar
- Valve Body Material : Aluminium

Features

- Automatic Discharge, without Human Management and other functions.
- When the water reaches a certain quantity.
- Under the Leverage and Buoyancy Principle.
- Discharge the Water Automatically.
- Overall Ball type design, Save the installation space.
- Directly Install on the inlet pipe, No need to install bolts.



Model - FLTD-161

Float Type Drain Valve : FLTD-161

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
FLTD-161	3.5 mm	16 Kg/cm ²	½" BSP (F)	SS FLOAT	Air-Receiver, Moisture Separator Air Filter	Low cost, High Performance, Valve for High Pressure applications



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CONCEPT
ADV - R-01

INNER DRAIN

Model - CID-1550



Model - CID-1550

These accessories work with filters, regulators and lubricators and include items such as replacement bowls, mounting brackets and covers to support their installation and operation.

Drain Principle

Float Inner Drain
Thread Size : 15.5

Range of Application:

This Product is installed at the bottom of water cups which are automatic drainer.
Air filter and air filter regulators and it can auto discharge water gathered in the water cup.

Specifications :

Working Pressure : 4-12 Kg./cm²
Max. Working Pressure : 12 Kg./cm²
Max. Fluid Temp. : 5-60°C

Features :

Manual Drain / Auto Drain / Air Shut off Drain

Point for Attention :

When using the drainer should be installed vertically and the drain port facing down

Our other Range of Products

Level Sensing Auto Drain Valve • Desiccant Dryer (Heatless) • Airline Filter
Moisture Separator • Refrigeration Dryer • Air Tool Dryer • In Line Desiccant Dryer



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CONCEPT
IND - R-01

AUTOMATIC DRAIN VALVE

Model - SSD-ZAL-121



CONCEPT SSD-ZAL-121 is Designed to Remove Condensate from Compressed Air-Systems. Most Suitable for installation on Drip Legs, Moisture-separator etc. Valve has facility to Drain Manually on Power Failure.

Specifications :

Timer

- Supply Voltage : 240 VAC (180-260 VAC) 50 Hz (Other on request)
- Operating Temp. : 70°C (Maximum)
- Enclosure Housing : High Impact Resistant ABS
- Connection : DIN 43650 A with Power Indication
- Indications : LED (Red)- Power On
LED (Yellow)- 'On' after every 15 Sec. Indicate healthiness of timer
LED (Green)- 'On' during drain cycle
- Test Switch : For Manual Test Drain

Valve

- Type : 2 Way Direct Acting
- In/Out Ports : 1/2" BSP (F)
- Working Pressure : 12 Kg./cm²
- Valve Body : Bar Stock Aluminium
- Orifice : 5 mm
- Material : Clear Poly Carbonate



Model - SSD-ZAL-121

Features - Fully Automatic - No Maintenance - Manual Test Switch - Indication for Valve Healthiness - Easy to replace - 'O' Ring seal on cycle adjustment pots to ensure weather proof sealing - Small compact resistant ABS Timer - Easy Mounting and Installation - 12 Months Warranty - No tool required to replace timer - Zero Air Loss, Zero Energy, Less Maintenance

Motorised Auto Drain Valve - SSD-ZAL-121

Model	Orifice	MWP	Connection Size	Features	Application	Remarks
SSD-ZAL-121	5 mm	12 Kg/cm ²	1/2" BSP (F)	Test Switch, Inbuilt Strainer	Small Receivers, Air Bottles	High Performance, Valve for Air Receiver



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CONCEPT
ADV - R-01

AIR LINE FILTER

CALF

INDUSTRIAL HIGH EFFICIENCY FILTERS

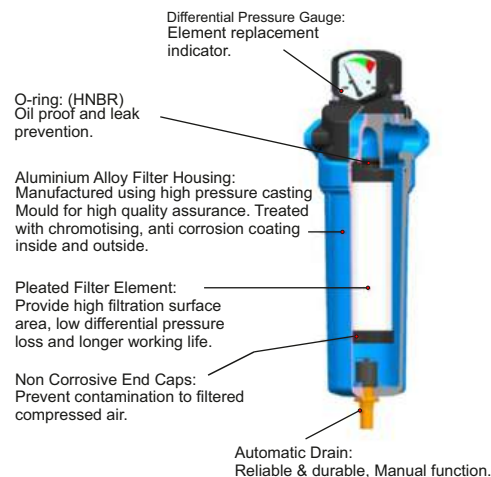


Features:

- Low Pressure Drops-Assuring high energy savings.
- High capability of retention (99.999%).
Extremely purified compressed air and low operating costs.
- Large capacity reservoir allow large condensate volume.
Drainage layer.
- The closure provided by seal cannot be opened while filter is under pressure.
- Inlet Air Temperature 100°C (Max.).
- Filtration Grades as per ISO8573-1.

HOUSING:

- Pressure die cast aluminium housing
- Chromated to give protection against corrosion
- Powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder
- Salt spray test carried out exposing to salting fog to (5% NaCl) at the temperature 37°C for 72 Hrs.
- Hydrogenate Nitrile 'O' Ring - Superior mechanical properties, High Strength, Temp. -40°C to 150°C.



Installation in series:

- This compact assembly design will meet most customers' demand. It is suitable for end of point usage and without installation of threaded connector.

Durable Chemical Resistance End Caps

- Injection moulded from nylon, then bonded to the filter core with high strength two part polyurethane potting resin for maximum strength.

Standard reference conditions:

- Ambient temperature: 45°C
- Working pressure: 7 bar
- Inlet air temperature: 100°C

Max. Working condition:

- Pressure: 16 Kg/cm²
- Inlet air temperature: 100°C
- P = 3μ (class 3 ISO8573.1)
- F = 1μ solid / 0.1 mg/m³ oil (class 2 ISO8573-1)
- H = 0.01μ solid / 0.01 mg/m³ oil (class 1 ISO8573-1)
- C = 0.03 mg/m³ oil (class 1 ISO8573-1)

S. No.	MODEL	FLOW		CONNECTION BSP (F)	ELEMENT MODEL
		M ³ /Hr	SCFM		
1	CALF-50	86	50	1/2"	EL0050X50X076
2	CALF-80	138	80	3/4"	EL0080X50X112
3	CALF-150	259	150	1"	EL0150X75X122
4	CALF-200	346	200	1-1/2"	EL0200X75X137
5	CALF-300	519	300	1-1/2"	EL0300X75X200
6	CALF-400	692	400	1-1/2"	EL0400X75X228
7	CALF-600	1038	600	2"	EL600X100X350

X - Replace by P : PRE FILTER : 3 Micron H : AFTER FILTER : 0.01 Micron
F : FINE FILTER : 1 Micron C : ACTIVATED CARBON FILTER : 0.003 mg/m³



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CONCEPT
CALF - R-01

CONCEPT Air Line Filter CALF

INDUSTRIAL HIGH EFFICIENCY FILTERS

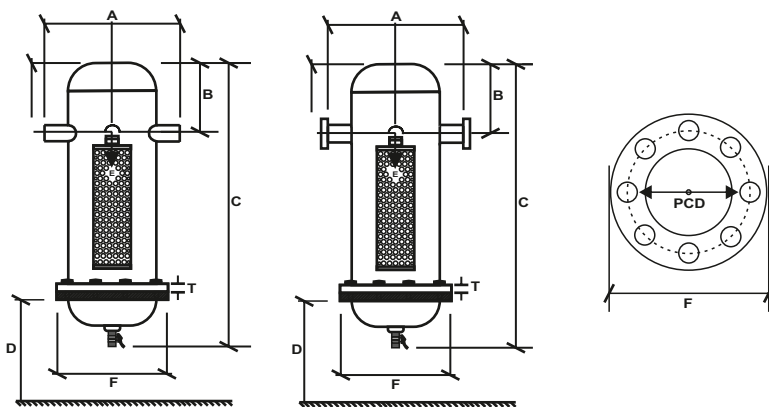


Model - CALF

Features :

- Low Pressure Drops-Assuring high energy savings.
- High capability of retention (99.999%).
- Extremely purified reservoir allow large condensate volume.
- Large capacity reservoir allow large condensate volume. Drainage layer.
- The closure provided by seal cannot be opened while filter is under pressure.
- Inlet Air Temperature 100°C (Max.).
- Filtration Grades as per ISO8573-1.
- DP Gauge (Optional).
- Auto Drain (Optional).
- MWP 16 Kg/cm² (optional 40 Kg/cm²)
- Housing - MS/CS (As per customer requirement).

FILTER MODEL	FLOW		IN/OUT Connection	DRAIN Connection	DIMENSION IN MM						ELEMENT LENGTH	'O' RING SIZE	NO. OF ELEMENT	ELEMENT CODE
	CFM	M ³ /Hr			A	B	C	D	E (ID)	F (OD)				
CALF - 600	600	1038	2" BSP (F)	½" BSP (F)	285	135	850	400	156	276	350	190x5.3 mm	1	EL-600
CALF - 800	800	1384	2-1/2" BSP (F)	½" BSP (F)	305	144	1000	550	156	276	500	190x5.3 mm	1	EL-800
CALF - 1000	1000	1730	3" BSP (F)	½" BSP (F)	394	148	875	400	208	342	350	235x5.3 mm	2	EL-600
CALF - 1500	1500	2595	3" BSP (F)	½" BSP (F)	444	159	950	400	270	406	350	291x5.3 mm	3	EL-600
CALF - 1500	1500	2595	4" FLANGE (FL)	½" BSP (F)	458	159	950	400	270	406	350	291x5.3 mm	3	EL-600
CALF - 2000	2000	3460	4" FLANGE (FL)	½" BSP (F)	458	162	1025	550	270	406	500	291x5.3 mm	3	EL-800



CFM	F	(PCD) D	T	HOLE	NO.
600	280	242	23.9	22.22	8
800	280	242	23.9	22.22	8
1000	345	298	27	22.23	8
1500	405	362	28.6	25.4	12
2000	405	362	28.6	25.4	12

All dimension are in mm

FLANGE DETAILS

(As per ANSI-B16.5/Class150)

NP5	CFM	(O)	(PCD) (W)	TF	HOLE (D)	NO.
10"	1500 F	236	190.5	22.3	19.05	8
10"	2000 F	230	190.5	22.3	19.05	8

All dimension are in mm



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CONCEPT
CALF/CAMS - R-01

SINTERED AIR LINE FILTER

CBSF - Series



Material of Construction

- Filter Media : SS 316L Sintered Powdered
- Top & Bottom Caps : SS 316
- Sealing Technology : Welding
- Max. Operating Pressure : 40 Bar
- Max. Temperature : 200° C
- Allowable Diff. Pressure : 0.63 Bar per 250mm Length
- Micron : 0.1, 0.2, 1.0, 5.0, 10.0, 20.0, 50.0 or as required
- Cleaning Process : Nitric acid, IPA, Water as per cleaning process for SOP

SS Sintered Metal Powder Cartridge

- High Mechanical Strength and Good Integrity
- Good Corrosion and thermal Resistance
- No Possibility of Media Migration
- Good Permeability
- Service life can be Prolonged by and Regeneration Process.



Application

S.S. Sintered Powder filter cartridge are recommended for the filtration of air or liquid at higher operating temperature & corrosive environment. Sintered S.S. cartridges are produced by cold isostatic pressing, which gives high porosity to the material and also stability. They can easily be cleaned or back washed thus having longer shelf life. Sintered filters are able to withstand high differential pressure across the filters.

S. No.	MODEL	CONNECTION BSP (F)	CFM	ELEMENT CODE
1	CBSF-056	1/2"	50	BEL0056
2	CBSF-080	3/4"	80	BEL0080
3	CBSF-150	1"	150	BEL0150
4	CBSF-200	1-1/2"	200	BEL0200
5	CBSF-300	1-1/2"	300	BEL0300
6	CBSF-400	1-1/2"	400	BEL0400



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CONCEPT
CBSF - R-01

AIR LINE FILTER

CELF

INDUSTRIAL HIGH EFFICIENCY FILTERS

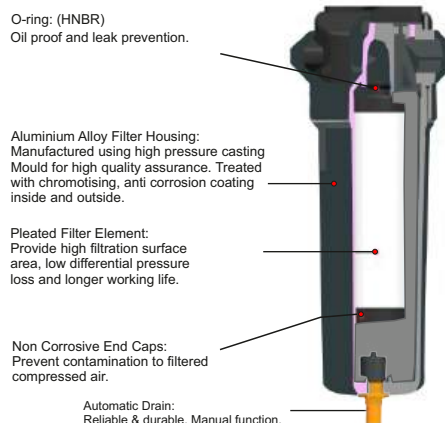


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Drainage layer.
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- Inlet Air Temperature 100°C (Max.).
- Filtration Grades as per ISO8573-1.

HOUSING:

- Pressure die cast aluminium housing
- Chromated to give protection against corrosion
- Powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder
- Salt spray test carried out exposing to salting fog to (5% NaCl) at the temperature 37°C for 72 Hrs.
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- Inlet air temperature: 100°C

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		M ³ /Hr	SCFM		
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2	CELF-80	138	80	¾"	EL0080X50X112
3	CELF-150	259	150	1"	EL0150X75X122
4	CELF-200	346	200	1-1/2"	EL0200X75X137
5	CELF-300	519	300	1-1/2"	EL0300X75X200
6	CELF-400	692	400	1-1/2"	EL0400X75X228

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CONCEPT
CELF - R-01

HIGH PRESSURE AIR LINE FILTER

CHLF - Series

INDUSTRIAL HIGH EFFICIENCY FILTERS



Filter Housing Features

- Robust, spheroidal S.S. 304 (Grade 1.4301) offers higher mechanical strength, improved ductility, and increased shock resistance, assuring the user that this filter is built for the task at hand.
- Head to bowl bore seal ensures greater seal integrity.
- Threaded mounting holes on top of filter head allow each size to be easily panel mounted when line mounting is not an option.
- Engraved flow direction arrow in filter's head notifies the user of proper flow direction. One direction flow for all media choices reduces the possibility of a housing being installed improperly.
- Lazer masking part number ensures that each unit's identifying information will be visible in the years ahead.
- Manual drain valve (S.S. 304) with positive o-ring seal installed.
- Bowls are designed to be easily tightened or loosened with a standard socket wrench.

Filter Element Features

- Concept Finite offers six filter media grades ensuring that we have the correct media choice for nearly any application requirement.
- Available are coalescing grades with 95% to 99.995% efficiency and pleated or UNI-CAST coalescing media designs. Additionally, a bulk liquid separator, a particulate removal and oil vapor removal choices are standard offerings.
- Each element uses a retention clip design that ensure the element is seated and sealed properly. This built-in, fail-safe feature will virtually eliminate any possibility of contaminant by-pass and is unique amongst high pressure filters.
- Each element is composed of internal and external S.S. 304 retainers. Each element also features a bore seal interface with the housing, an anti-vibration shoulder, and an integrated standoff which minimizes the likelihood of any movement of the element, even during severe system pulsations.
- Element standoff lengths were designed for each housing size to allow an optimal volume of liquid contaminant to be collected in the filter's quiet zone, further minimizing any chance of contaminant carryover.

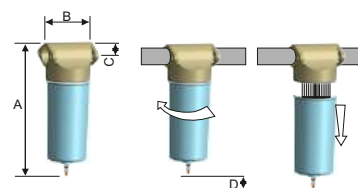
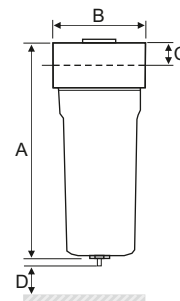
Specifications	
MWP	: 40 bar
Connection	: 1/2", 3/4" 1" and 1-1/2" BSP (F)
Maximum Operating Temperature	: 100°C
Housing	: S.S. 304 (Grade - 1.4301)
Element Cap	: S.S. 304 (Grade - 1.4301)

Materials	
Filter housing	Stainless Steel 1.4301 (304)
Coupling nut	Stainless Steel 1.4301 (304)
Plug	Stainless Steel 1.4301 (304)
Housing gasket	HNBR (other gasket upon request)

Surface finish	
Inner: 0006-0288 0432-1920	Etched and passivated Ra 1,6
Outer: 0006-0288 0432-1920	Etched and passivated Ra 1,6 etched and passivated (not polished)

S. No.	MODEL	CONNECTION BSP (F)	DIMENSION				ELEMENT PART NO.
			A	B	C	D	
1	CHLF-056	1/2"	195	90	18	340	HEL056X50X069
2	CHLF-088	1/2"	195	90	18	340	HEL088X50X076
3	CHLF-127	3/4"	267	90	18	340	HEL127X50X112
4	CHLF-212	1"	300	125	31	445	HEL212X75X122
5	CHLF-254	1-1/2"	300	125	31	445	HEL254X75X130
6	CHLF-300	1-1/2"	380	125	31	525	HEL300X75X160
7	CHLF-441	1-1/2"	380	125	31	525	HEL441X75X200

Filter Type	CODE	Dust Removal	Oil Removal
PF	P	5 Micron	-----
FF	F	1 Micron	-----
AF	H	0.01 Micron	-----
CF	C	-----	0.03 mg/m ³



CONCEPT TECHNOSTRUCTURES

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CONCEPT
CHPF - R-01

AIR LINE FILTER

COLF

INDUSTRIAL HIGH EFFICIENCY FILTERS



HOUSING:

- Pressure die cast aluminium housing
- Chromated to give protection against corrosion
- Powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder
- Salt spray test carried out exposing to salting fog to (5% NaCl) at the temperature 37°C for 72 Hrs.
- Hydrogenate Nitrile 'O' Ring - Superior mechanical properties, High Strength, Temp. -40°C to 150°C.

Installation in series:

- This compact assembly design will meet most customers' demand. It is suitable for end of point usage and without installation of threaded connector.

Standard reference conditions:

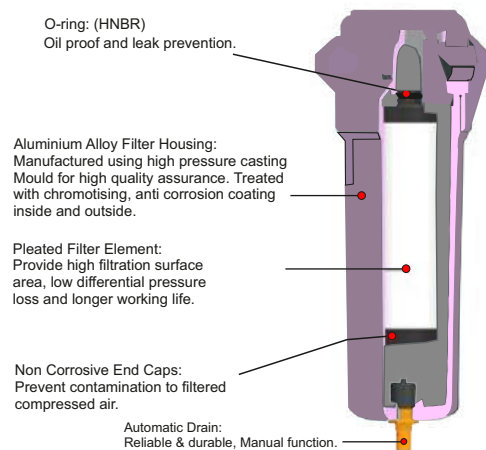
- Ambient temperature: 45°C
- Working pressure: 7 bar
- Inlet air temperature: 100°C

Max. Working condition:

- Pressure: 16 Kg/cm²
- Inlet air temperature: 100°C
- P = 3μ (class 3 ISO8573.1)
- F = 1μ solid / 0.1 mg/m³ oil (class 2 ISO8573-1)
- H = 0.01μ solid / 0.01 mg/m³ oil (class 1 ISO8573-1)
- C = 0.03 mg/m³ oil (class 1 ISO8573-1)

Features:

- Low Pressure Drops-Assuring high energy savings.
- High capability of retention (99.999%).
Extremely purified compressed air and low operating costs.
- Large capacity reservoir allow large condensate volume. Drainage layer.
- The closure provided by seal cannot be opened while filter is under pressure.
- Inlet Air Temperature 100°C (Max.).
- Filtration Grades as per ISO8573-1.



Durable Chemical Resistance End Caps

- Injection moulded from nylon, then bonded to the filter core with high strength two part polyurethane potting resin for maximum strength.

S. No.	MODEL	FLOW		CONNECTION BSP (F)	ELEMENT MODEL
		M ³ /Hr	SCFM		
1	COLF-50	86	50	½"	EL0050X50X076
2	COLF-80	138	80	¾"	EL0080X50X112
3	COLF-150	259	150	1"	EL0150X75X122
4	COLF-200	346	200	1-1/2"	EL0200X75X137
5	COLF-300	519	300	1-1/2"	EL0300X75X200
6	COLF-400	692	400	1-1/2"	EL0400X75X228

X - Replace by P : PRE FILTER : 3 Micron H : AFTER FILTER : 0.01 Micron
F : FINE FILTER : 1 Micron C : ACTIVATED CARBON FILTER : 0.003 mg/m³



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CONCEPT
COLF - R-01

CONCEPT

Air Line Moisture Separator CAMS

INDUSTRIAL HIGH EFFICIENCY MOISTURE SEPARATOR

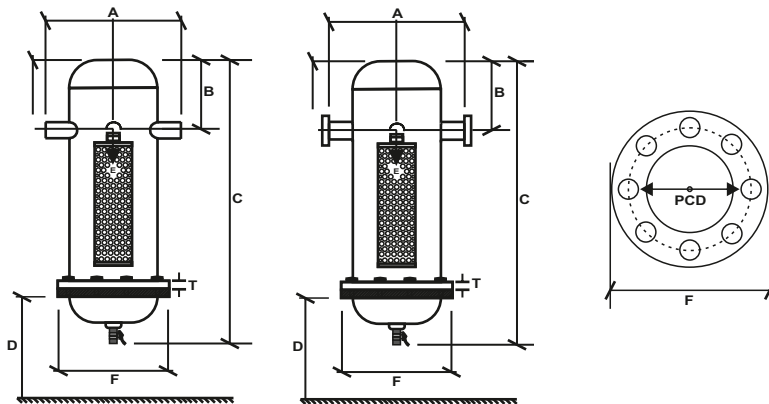


Model - CAMS

Features :

- Low Pressure Drops-Assuring high energy savings.
- Extremely purified reservoir allow large condensate volume.
- Large capacity reservoir allow large condensate volume.
- Drainage layer.
- The closure provided by seal cannot be opened while filter is under pressure.
- Inlet Air Temperature 100°C (Max.).
- Auto Drain (Optional).
- MWP 16 Kg/cm² (optional 40 Kg/cm²)
- Housing - MS/CS (As per customer requirement).

FILTER MODEL	FLOW		IN/OUT Connection	DRAIN Connection	DIMENSION IN MM						ELEMENT LENGTH	'O' RING SIZE	NO. OF ELEMENT	ELEMENT CODE
	CFM	M ³ /Hr			A	B	C	D	E (ID)	F (OD)				
CAMS - 600	600	1038	2" BSP (F)	½" BSP (F)	285	135	850	400	156	276	350	190x5.3 mm	1	ELMS-600
CAMS - 800	800	1384	2-1/2" BSP (F)	½" BSP (F)	305	144	1000	550	156	276	500	190x5.3 mm	1	ELMS-800
CAMS - 1000	1000	1730	3" BSP (F)	½" BSP (F)	394	148	875	400	208	342	350	235x5.3 mm	2	ELMS-600
CAMS - 1500	1500	2595	3" BSP (F)	½" BSP (F)	444	159	950	400	270	406	350	291x5.3 mm	3	ELMS-600
CAMS - 1500	1500	2595	4" FLANGE (FL)	½" BSP (F)	458	159	950	400	270	406	350	291x5.3 mm	3	ELMS-600
CAMS - 2000	2000	3460	4" FLANGE (FL)	½" BSP (F)	458	162	1025	550	270	406	500	291x5.3 mm	3	ELMS-800



CFM	F	(PCD) D	T	HOLE	NO.
600	280	242	23.9	22.22	8
800	280	242	23.9	22.22	8
1000	345	298	27	22.23	8
1500	405	362	28.6	25.4	12
2000	405	362	28.6	25.4	12

All dimension are in mm

FLANGE DETAILS

(As per ANSI-B16.5/Class150)

NP5	CFM	(O)	(PCD) (W)	TF	HOLE (D)	NO.
10"	1500 F	236	190.5	22.3	19.05	8
10"	2000 F	230	190.5	22.3	19.05	8

All dimension are in mm



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CONCEPT
CALF/CAMS - R-01

AIR LINE MOISTURE SEPARATOR FILTER

CMSF

INDUSTRIAL HIGH EFFICIENCY MOISTURE SEPARATOR FILTER



Features:

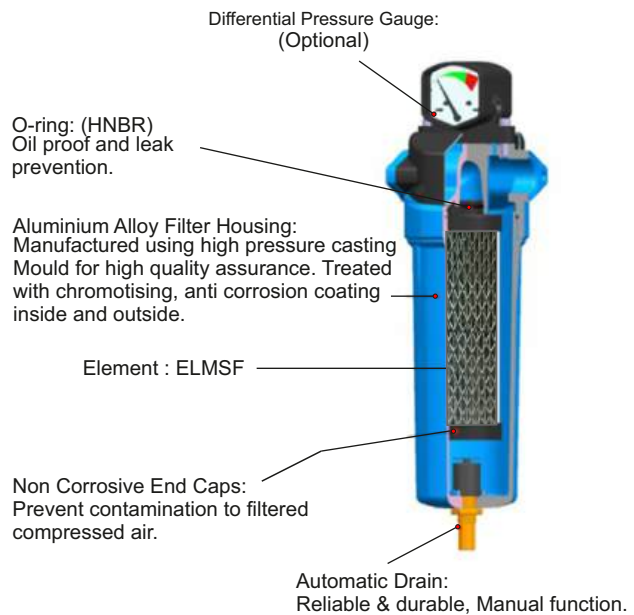
- Low Pressure Drops-Assuring high energy savings.
- High capability of retention (99.999%).
Extremely purified compressed air and low operating costs.
- Large capacity reservoir allow large condensate volume.
Drainage layer.
- The closure provided by seal cannot be opened while filter is under pressure.
- Inlet Air Temperature 100°C (Max.).
- Filtration Grades as per ISO8573-1.

HOUSING:

- Pressure die cast aluminium housing
- Chromated to give protection against corrosion
- Powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder
- Salt spray test carried out exposing to salting fog to (5% NaCl) at the temperature 37°C for 72 Hrs.
- Hydrogenate Nitrile 'O' Ring - Superior mechanical properties, High Strength, Temp. -40°C to 100°C.

Durable Chemical Resistance End Caps

- Injection moulded from nylon, then bonded to the filter core with high strength two part polyurethane potting resin for maximum strength.



Standard reference conditions:

- Ambient temperature: 45°C
- Working pressure: 7 bar
- Inlet air temperature: 100°C

Max. Working condition:

- Pressure: 16 Kg/cm²
- Inlet air temperature: 100°C
- P = 3μ (class 3 ISO8573.1)
- F = 1μ solid / 0.1 mg/m³ oil (class 2 ISO8573-1)
- H = 0.01μ solid / 0.01 mg/m³ oil (class 1 ISO8573-1)

S. No.	MODEL	FLOW		CONNECTION BSP (F)	ELEMENT MODEL
		M ³ /Hr	SCFM		
1	CMSF-20	34	20	½"	ELMSF20X50X061
2	CMSF-50	86	50	½"	ELMSF50X50X076
3	CMSF-80	138	80	¾"	ELMSF80X50X112
4	CMSF-100	173	100	¾"	ELMSF100X50X135
5	CMSF-150	259	150	1"	ELMSF150X75X122
6	CMSF-200	346	200	1-1/2"	ELMSF200X75X137
7	CMSF-300	519	300	1-1/2"	ELMSF300X75X200
8	CMSF-400	692	400	1-1/2"	ELMSF400X75X228

X - Replace by P : PRE FILTER : 3 Micron H : AFTER FILTER : 0.01 Micron

F : FINE FILTER : 1 Micron



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CONCEPT
CALF - R-01

MOISTURE SEPARATOR + FILTER

Model - MSF-16X



The Design of Concept Moisture Separator utilize the principle of centrifugal force to separator of entrained Moisture and Drain. It to the better re-service.

Specification :

- Body : MS
- Finish : Powder Coating
- Filtration : 5 Micron
- Element : Glass Micro Fibre
- Element Life : 6000 Hrs. (approx)
*Quality of inlet air will affect element life
- MWP : 16 Kg./cm²
- Max. Working Temp. : 100°C

Features :

- Mechanical Separator use centrifugal motion to force liquid water out of Compressed Air. The spinning causes the condensate to join together on the centrifugal separator walls when the condensate gains enough mass it falls to the bottom of the housing.
- Drain Manual.
- Automatic Drain (Optional).
- Port for Pressure Gauge.
- Pressure Gauge (Optional).
- Moisture Removal : up to 99% (approx) Separation effect.



Model - Moisture Separator + Filter

Moisture Separator + Filter

Model	Air Inlet & Outlet Ports	Drain Out Let Port	Application
MSF-161	1/2"	1/4"	Spray Paint Boot, Powder Coating, Assembly Work Station, Dust Collection Unit.
MSF-162	1"	1/4"	
MSF-163	3/4"	1/4"	



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CONCEPT
MSF - R-01

VORTEX WATER SEPARATOR

CEWS0XX



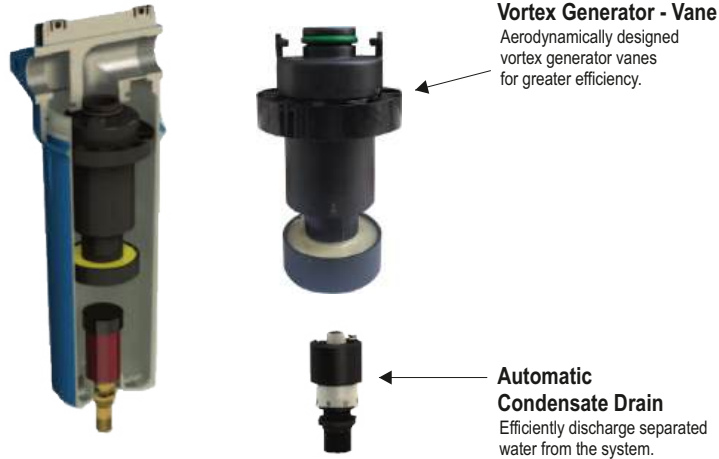
Centrifugal Separation to Remove up to 99% of Water Aerosol in Compressed Air.

Compressed air is normally saturated with moisture in the form of water vapour as well as aerosol, and this needs to be removed to prevent problems further downstream at the point of application.

Conquest's water separator is specially designed based on the proven centrifugal separation to remove up to 99% of the water aerosol in compressed air. Working in conjunction with other compressed air treatment products like filters, after-cooler and dryers, the water separator is a very cost effective way of further enhancing their efficiency by ensuring that bulk water generated in the compressed air is properly separated and discharged from the system.

Features & Advantages

- Removes up to 99% bulk water.
- Very low maintenance cost.
- Simple and easy to install.
- Efficient automatic drain.
- Robust aluminium housing.



General Information

- Pressure die cast aluminum housing chromated to give protection against corrosion powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder.
- Injection moulded from nylon, then bonded to the filter core with high strength two part polyurethane potting resin for maximum strength.

CEWS-SERIES WATER SEPARATOR'S

S. No.	MODEL	CONNECTION BSP (F)	FLOW RATE		DIMENSION (mm)	ELEMENT CODE
			m³/h	SCFM		
1	CEWS-025	½"	42	25	95 X 210	ELCWS254599
2	CEWS-045	¾"	78	45	95 X 210	ELCWS254599
3	CEWS-099	¾"	168	99	95 X 270	ELCWS254599

Correction factor for operating pressure

Inlet air pressure (bar)	3	5	7	9	11	13	15
Factor	0.55	0.8	1	1.13	1.25	1.35	1.43



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CONCEPT
CEWS - R-01

HIGH PRESSURE AIR LINE MOISTURE SEPARATOR

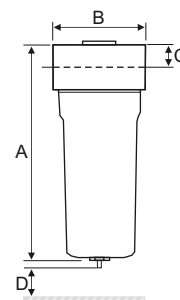
CHMS - Series



Housing Features :

- Robust, spheroidal S.S. 304 (Grade 1.4301) offers higher mechanical strength, improved ductility, and increased shock resistance, assuring the user that this filter is built for the task at hand.
- Head to bowl bore seal ensures greater seal integrity.
- Engraved flow direction arrow in filter's head notifies the user of proper flow direction. One direction flow for all media choices reduces the possibility of a housing being installed improperly.
- Lazer masking part number ensures that each unit's identifying information will be visible in the years ahead.
- Manual drain valve (S.S. 304) with positive o-ring seal installed.
- Bowls are designed to be easily tightened or loosened with a standard socket wrench.

Specifications		S. No.	MODEL	CONNECTION BSP (F)	DIMENSION				ELEMENT PART NO.
MWP	: 40 bar				A	B	C	D	
Connection	: 1/2", 3/4" 1" and 1-1/2" BSP (F)	1	CHMS-050	1/2"	195	90	18	340	HEMS056X50X069
Maximum Operating Temperature	: 150°C	2	CHMS-088	1/2"	195	90	18	340	HEMS088X50X076
Housing	: S.S. 304 (Grade - 1.4301)	3	CHMS-127	3/4"	267	90	18	340	HEMS127X50X112
Element Cap	: S.S. 304 (Grade - 1.4301)	4	CHMS-212	1"	300	125	31	445	HEMS212X75X122
		5	CHMS-254	1-1/2"	300	125	31	445	HEMS254X75X130
		6	CHMS-300	1-1/2"	380	125	31	525	HEMS300X75X160
		7	CHMS-441	1-1/2"	380	125	31	525	HEMS441X75X200



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CONCEPT
CHPF - R-01

WATER SEPARATOR

CWS - SERIES



HOUSING:

- Pressure die cast aluminium housing
- Chromated to give protection against corrosion
- Powder coating process with zinc based corrosion inhibition powder primer and epoxy polyester powder
- Salt spray test carried out exposing to salting fog to (5% NaCl) at the temperature 37°C for 72 Hrs.
- Hydrogenate Nitrile 'O' Ring - Superior mechanical properties, High Strength, Temp. -40°C to 100°C.

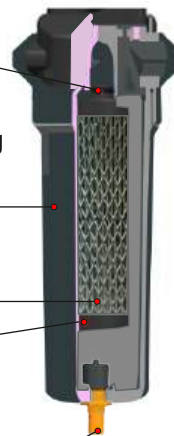
O-ring: (NBR)
Oil proof and leak prevention.

Aluminium Alloy Filter Housing:
Manufactured using high pressure casting Mould for high quality assurance. Treated with chromotising, anti corrosion coating inside and outside.

Element : ELMS

Non Corrosive End Caps:
Prevent contamination to filtered compressed air.

Automatic Drain:
Reliable & durable, Manual function.



Durable Chemical Resistance End Caps

- Injection moulded from nylon, then bonded to the filter core with high strength two part polyurethane potting resin for maximum strength.

Standard reference conditions:

- Ambient temperature: 45°C
- Working pressure: 7 bar
- Inlet air temperature: 100°C

Max. Working condition:

- Pressure: 16 Kg/cm²
- Inlet air temperature: 100°C

S. No.	MODEL	FLOW		CONNECTION BSP (F)	ELEMENT MODEL
		M ³ /Hr	SCFM		
1	CWS-50	86	50	½"	ELWS50X50X076
2	CWS-80	138	80	¾"	ELWS80X50X112
3	CWS-150	259	150	1"	ELWS150X75X122
4	CWS-200	346	200	1-1/2"	ELWS200X75X137
5	CWS-300	519	300	1-1/2"	ELWS300X75X200
6	CWS-400	692	400	1-1/2"	ELWS400X75X228



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CONCEPT
CMS - R-01

MOISTURE SEPARATOR

Model - MS-163/162



Features :

- MS having with Powder Coating
- Moisture Removal upto 96%
- Maximum Working Pressure 16 Kg./cm²
- Maximum Working Temp. 180°C
- Element
- Micro fibre 3 / 5 / 10 micron
- Manual Drain / Auto Drain / Float Drain (Optional)



Model - MS SERIES

Moisture Separator - MS

Model	Connection Size	CFM	Replacement Element
MS - 1630	3/4" BSP (F)	60-70 CFM	1/4" BSP (F)
MS - 1620	1" BSP (F)	127 CFM	1/4" BSP (F)



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CONCEPT
ADV - R-01

AIRTOOL DRYER

Model - ATD-22 / ATD-44



CONCEPT introduce **Air Tool Dryer** for compressed Air Model ATD

Features:

- Capacity 22 to 44 CFM
- **NO PURGE LOSS**
- **Portable and Light weight**
- Aluminium Casting, Powder coated for added durability
- **Very compact** in line mounting
- No Maintenance, easy to replace

Benefits:

- Extend the life of air operated equipment.
- Reduce Air Tool maintenance cost.
- Reduce CNC machine maintenance.
- Eliminate production down time.



Model : ATD-22 / ATD-44

Applications:

- Spray painting & coating • Air Brush
- Air Tools, Air Guns (Nail) • Automotive workshop • Shot Blasting

Specifications & ordering information:

Model	Air Flow @ 100 psig scfm	Inlet / Outlet NPT In	Dimensions			Weight lbs	Replacement Kit
			A	B	C		
ATD - 22	22	1/4"	10 1/8	2 5/8	1 1/2	2.5	EATD
ATD - 44	44	1/2"	10 1/8	2 5/8	1 1/2	2.5	
ATD - 44 (CL)	44	1/2"	10 3/4	3	1 3/4	4.2	



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CONCEPT
ADV - R-01



Ultra-High Purity Compressed Air Desiccant Dryers

Flow Capacity 10 to 100 SCFM

dd Amogh 10
dd Amogh 20
dd Amogh 30
dd Amogh 45
dd Amogh 60
dd Amogh 80
dd Amogh 100



In Built Moisture Separator, PF & AF

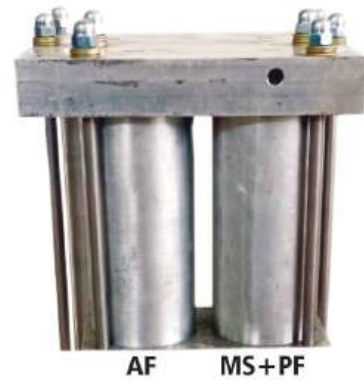
Fully Programmable
Controller
Programmable
Purge Time

Concept Innovative advanced compressed air desiccant dryer with high levels of performance and reliability backed by 2 years warranty.



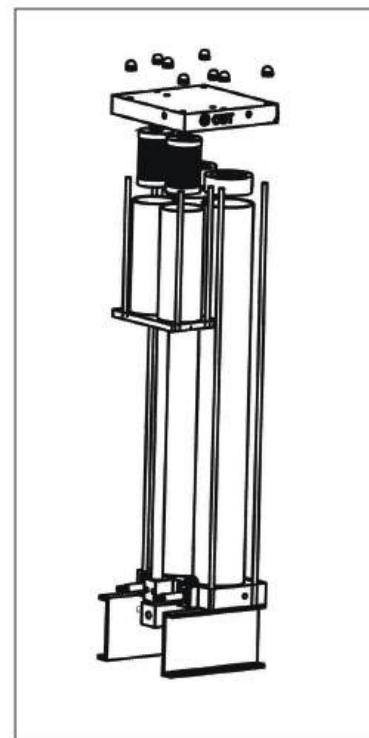
Features :

- Designed for ISO 8573-1986
- Aluminum construction with anodised
- Moisture and particulate protection
- Lower life cycle costs-low energy costs & simplified maintenance
- Free from corrosion & scale
- Safe and quiet operation
- MWP 16 Kg./cm² (40 Kg./cm² Available on request)
- After Filter 0.01 micron
- Pre-Filter 5 micron / 3 micron
- Operating Pressure 7 Kg./cm²
- Operating Temperature 40°C
- Supply 240VAC, 50Hz
- High efficiency moisture removal & reliable operation with PLC controlled solenoid valves.
- Unique exhaust air silencers significantly reduce noise levels
- Easy to install & ready for use.
- Minimum operating pressure 4 Kg./cm²
- Power supply 240VAC,50Hz / 110VAC,50Hz



Specification

Dryer Model	Inlet/Outlet BSP(F)	Rated Flow SCFM ²
dd amogh-10	1/4"	10
dd amogh-20	1/2"	20
dd amogh-30	1/2"	30
dd amogh-45	1/2"	45
dd amogh-60	3/4"	60
dd amogh-80	1"	80
dd amogh-100	1"	100



Temperature Correction Factors

°C	32	35	40	43	46	49
Factors	1.38	1.20	1	0.72	0.60	0.50

Pressure correction factors⁽⁷⁾

Inlet air pressure (psig)	60	75	90	100	115	130	145	160	180
Correction factor	0.63	0.75	0.88	1	1.3	1.25	1.38	1.50	1.7



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CONCEPT
DD/AMOGH - R-01

IN LINE DESICCANT DRYER

Model - ILDD-054

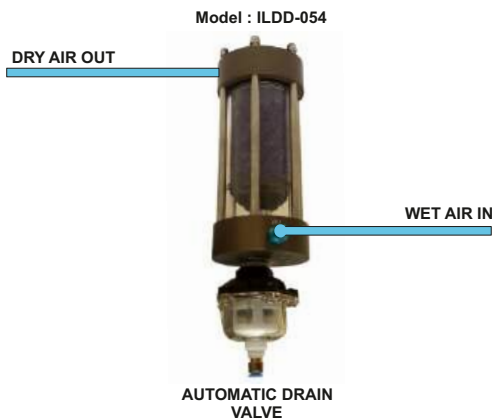


- Model : ILDD-054
- Brand : CONCEPT
- Inlet Port : 1/4" BSP/6mm Polyurethane Tube
- Outlet Port : 1/4" BSP/6mm Polyurethane Tube
- MWP : 12Kg./cm²
- Body Material : Aluminium
- Drain : Manual Drain / Automatic Drain Valve (Optional)

Application:- Air Tools, Spray Painting, Filling Tires, Nail Guns etc.

Working:-

The compressed air flow through the bottom of the dryer and distributed uniformly and passed through the desiccant bed. The moisture is drained at the bottom either with manual drain or automatic drain valve (optional).



▪ INSTALLATION :-

The installation can be done IN-LINE with flexible PU tube and connectors provided with the unit. Please see below the installation diagram.



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CONCEPT
ADV - R-01

Point-of-use Adsorber



Activated Carbon Adsorber (CACA)

Model: **CACA**

Function

The function of the concept point-of-use activated carbon adsorber is for the removal of oil vapor from compressed air systems. The adsorber utilizes a replaceable cartridge and is capable of removing oil vapour down to 0.03 mg/m³. For best results and performance, it is highly recommended that a 0.01 micron fine coalescing filter is installed at the inlet side of the adsorber.

Features

- Convenient to use.
- Efficient removal of oil vapour.
- Long contact time.
- High adsorption capacity.
- Relatively low differential pressure.
- Easy replacement of activated carbon cartridge.
- Integrated pre and post filtration.



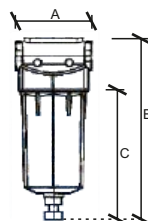
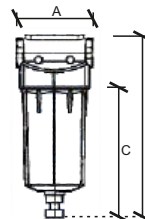
Activated Carbon

Specifications :

Housing	Aluminium Alloy
Element	S.S. 304 support / Screen
Media	Activated Carbon (CACA)
Media	Desiccant + Molecular Sieve (CPDA)

Activated Carbon Adsorber CACA Specification

Model	Conn. Size (Inch)	Flow Capacity CFM	Maximum Pressure (Bar)	Dimensions (mm)			Replacement Cartridge Model
				A	B	C	
CACA-27	½"	27	16	95	240	165	CA-27
CACA-40	¾"	40	16	95	300	225	CA-40
CACA-100	1"	100	16	125	340	235	CA-100
CACA-150	1½"	150	16	125	440	335	CA-150



Desiccant Adsorber (CPDA)

Model: **CPDA**

Function

The function of the concept point-of-use desiccant adsorber is for small scale separation of humidity (water vapor) from compressed air systems. The adsorber utilizes a replaceable desiccant cartridge and is capable of achieving low pressure dew point of down to -40°C. For best results and performance, it is highly recommended that a fine coalescing filter 0.1 micron is installed at the inlet side of the adsorber.

Features

- Convenient to use.
- Low pressure dew point.
- Long contact time.
- High adsorption capacity.
- Relatively low differential pressure.
- Easy replacement of desiccant cartridge.
- Integrated pre and post filtration.



Desiccant + Molecular Sieve

Desiccant Adsorber CPDA Specification

Model	Conn. Size (Inch)	Flow Capacity CFM	Maximum Pressure (Bar)	Dimensions (mm)			Replacement Cartridge Model
				A	B	C	
CPDA-27	½"	27	16	95	240	165	CP-27
CPDA-40	¾"	40	16	95	300	225	CP-40
CPDA-100	1"	100	16	125	340	235	CP-100
CPDA-150	1½"	150	16	125	440	335	CP-150



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CONCEPT
PDA - R-01

REFRIGERATION AIR DRYER

CENX-XX



Features :

- Flow range : 20 to 1500 CFM
- Pressure range : ≤ 1.6 Mpa (16 barg)
- Maximum intake air temperature : 45°C
- Maximum ambient temperature : 48°C
- Cooling method : air-cooled
- Power supply : 220V/1Ph/50Hz (20 to 400 cfm)
415V/3Ph/50Hz (500 cfm & Above)
- Refrigerant : R407c/R134a/R22a
- Rated working conditions : working pressure 7 bar, intake air temperature 45°C, ambient temperature 48°, dew point +3°C (+1-4°C)



Refrigerated dryers ensure dry compressed air, prolonging the life of equipment and ensuring excellent production quality. Efficient removal of water to avoid corrosion in compressed air networks and air tools. All in all, can reduce maintenance cost and improve overall level.

Features :

- The precooler, evaporator and separator adopt an integrated design.
- The special thickened alloy aluminium heat exchanger assembly has a much higher corrosion resistance than similar designs.
- The surface of the condenser adopts nano anti-corrosion coating to prolong the service life.

Energy saving & environmental protection :

- The heat exchanger 3-IN-1 type (Fin & Tube or PHE Aluminium).
- The temperature difference between the inlet and outlet of the precooler is 5-8°C, which is much better than that of similar products, which not only ensure extremely low relative humidity at the outlet, but also prevents condensation at the nozzle.
- Since the pre-cooler recovers more than 90% of the cooling capacity, the load on the evaporator is effectively reduced.





Condenser

- Air cooled (20-1500 cfm) / water cooled above 1500 cfm or as per customer requirement.
- Inner grooved copper tubes with blue aluminium fins.
- Blue fins prevent corrosion & dust accumulation and inner grooved copper tubes increase surface area means more heat transfer.
- Housing with powder coating.

Front Control Panel :

- MCB, Contactor, Relay, SPP, Fuses are accessible from front panel
- Spares fuses are provided for easy and quick replacement
- MCB, Contactor, Relay, and Fuse protection for compressor
- Fuse protection for drain valve, controller and fan
- Dryer operation is visible at a glance at the control panel



Design Parameters

- Ambient Temperature 45°C
- Air Inlet Temperature 48°C
- Working Pressure 7Kg/cm²
- PDP + 3°C (for PDP at other parameters, please refer correction factor table below).

Indications & Controls :

- PDP
- Suction Pressure Gauge (Upto 80 cfm)
- Discharge Pressure Gauge (100 cfm & Above)
- Fuse Protection, Over Load and Short Circuit
- Single Phase Protection, Phase Unbalance and Phase Failure for 3Ø supply

Eco-Friendly Refrigerant :

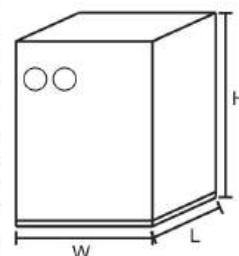
- R-134a / R-404a / R-407c
- R-22a (Available)
- HP Trip Indication

MODEL	Heat Exchanger Fin & Tube	3-IN-1 PHE Aluminium	MWP	Working Pressure
CENX-FT	√	x	16 Kg/cm ²	7 Kg/cm ²
CENX-PH	x	√	16 Kg/cm ²	7 Kg/cm ²
CENX-FH	√	x	40 Kg/cm ²	40 Kg/cm ²
CENX-FL	√	x	5 Kg/cm ²	2-4 Kg/cm ²

Correction Factor :

Inlet Air Temp. °C	40	45	48	55	60	
Factor C1	1.14	1.05	1.0	0.8	0.7	
Ambient Temp. °C	25	30	35	40	45	50
Factor C2	1.2	1.1	1.02	1.01	1.0	0.85
Working Pressure Kg./cm ²	4	5	6	7	8	10
Factor C3	0.8	0.85	0.9	1.0	1.01	1.09

S. NO.	NOMINAL FLOW		ELECTRIC SUPPLY V/Ph/Hz	NOMINAL POWER KW	AIR CONNECTION	DIMENSIONS IN MM			Wt. Kg.
	CFM	M3/HR				L	W	H	
1	20	35	230/1/50	0.245	½ INCH	500	450	450	57
2	40	69	230/1/50	0.245	½ INCH	550	500	500	60
3	50	69	230/1/50	0.450	¾ INCH	700	500	650	75
4	60	104	230/1/50	0.450	¾ INCH	700	500	650	75
5	80	138	230/1/50	0.615	¾ INCH	700	500	650	85
6	100	173	230/1/50	0.675	1 INCH	800	600	700	110
7	150	260	230/1/50	0.975	1½ INCH	850	650	700	120
8	200	346	230/1/50	0.975	1½ INCH	900	650	800	145
9	250	433	230/1/50	1.750	2 INCH	850	800	850	170
10	300	519	230/1/50	1.750	2 INCH	850	800	850	170
11	350	606	230/1/50	1.750	2 INCH	900	850	1000	180
12	400	692	413/3/50	2.275	2 INCH	900	850	1000	180
13	450	779	413/3/50	2.275	2 INCH	900	850	1000	190
14	500	865	413/3/50	2.365	3 INCH	900	850	1100	190
15	600	1038	415/3/50	3.3	3 INCH	1050	1000	1100	225
16	650	1125	415/3/50	3.3	3 INCH	1050	1000	1100	240
17	700	1211	415/3/50	6.6	3 INCH (F)	1500	1000	1100	-
18	800	1384	415/3/50	6.6	3 INCH (F)	1500	1000	1100	-
19	1000	1730	415/3/50	7.1	4 INCH (F)	1800	1100	1100	-
20	1250	2163	415/3/50	8.2	4 INCH (F)	1800	1100	1100	-
21	1500	2595	415/3/50	10.7	4 INCH (F)	1900	1200	1400	-



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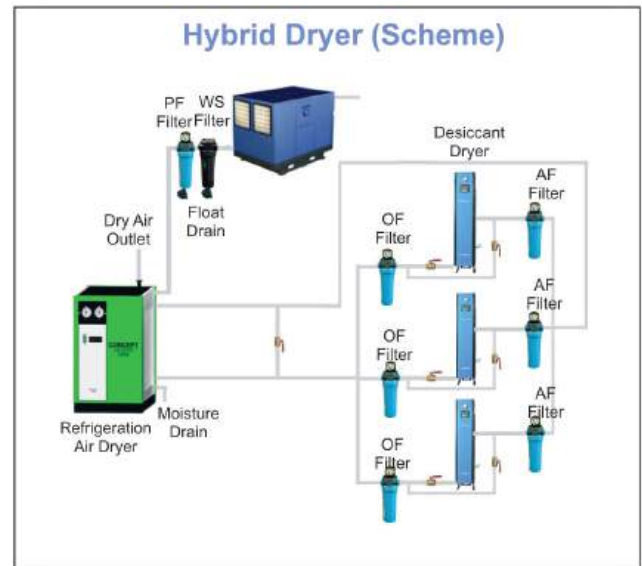


CONCEPT
REF. DRYER - R-01

COMBINATION DRYER (HYBRID)



V/S



Advantage of HYBRID DRYER over DESICCANT DRYER

	HYBRID DRYER	DESICCANT DRYER
Air Loss	Almost Zero	15% or More
Dew Point	-40°C	-40°C
Desiccant Life	Much more than of desiccant dryer	-
Pressure Loss	Less than 0.2 bar	Almost 15% of system pressure
Power consumption	Save as of refrigerant dryer	Connected load is less but power loss almost 15%
Maintenance	Negligible	High compared to hybrid dryer
PF + AF + OF	Included	Included



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CONCEPT
 COD - R-01

Proposed Air Preperation System for Laser Cutting Machine



Process :

Laser Cutting is a thermal process and the auxillary gas is necessary to help to ignite the material, such as oxygen or nitrogen but compressed air is more economical choice.

Requirement :

For above reason, the air compression of laser cutting a most economical solution with high speed air product by the air compressor. Usually compressed air of 16 bar is required.

Air Quality Class :

Beside high speed air flow, 16 bar pressure, it is also necessary to remove oil and dust particle from the compressed air. usually it is recommended to use compressed air of quality grade 1:4:1 or 1:2:1 (as per ISO 8573-1).



Laser Nozzle

Recommended scheme for laser cutting

Specification :

CMSF	: Moisture Separator + Filter (1 Micron)
PF	: Pre-Filter (0.1 Micron)
AF	: After-Filter (0.01 Micron)
CPDA	: Desiccant / Molecular Sieve Adsorber
OF	: Oil-Filter (0.03 mg/m ³)
CRDA	: Ref. Dryer + Desiccant Single Tower Dryer

Air Quality Grade : 1:4:1



Air Quality Grade : 1:2:1



Alternatively



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CONCEPT
Laser Cut - R-01

Model : **CRDA-XX** is the system combination of refrigeration air dryer with single tower Desiccant + Molecular Sieve inbuilt in the system. This model is suitable for laser cutting application. If used with CMSF+PF+AF+OF as per scheme below.

Design Parameter :

- Ambient Temperature : 45°C
- Air Inlet Temperature : 48°C



MODEL	Capacity (CFM)	Pressure MWP Kg/cm ²	Connection Inlet / Outlet
CRDA-60	60	16	3/4"
CRDA-80	80	16	3/4"
CRDA-100	100	16	1/4"
CRDA-150	150	16	1/2"

Note : Other capacity available on request.

DP GAUGE

Model - CDPG00



MAGNETIC PISTON Differential Pressure Gauge

Product Features

- > Magnetic Piston Operated
- > Double Sided Dials (Front and Rear Side)
- > Cost Effective and Reliable Design
- > Compact Design with Field Installable features
- > Direct Filter Head Top Mountable with 2 Screws



Model - CDPG00



Applications:

- > Compressed Air Filters
- > CNG Filters
- > GAS Filters
- > Hydraulic Oil Filters
- > Filtration Plants
- > OEM Applications



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CONCEPT
DP - R-01

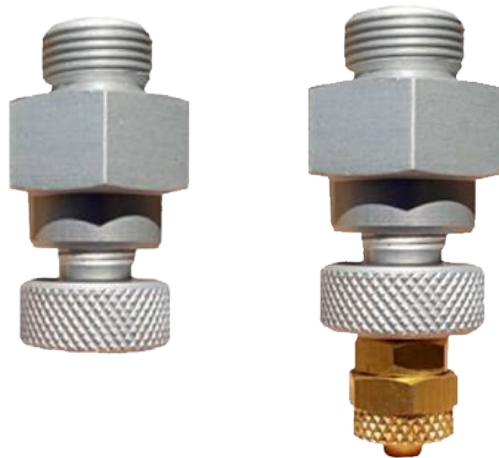
MANUAL DRAIN



Model - Manual Drain - Moisture Separator
Manual Drain - Filter

Benefits:

- Material : Aluminium Anodized
- Application : Filter / Moisture Separator
- MWP : 16 Kg/cm²
- Connection : 3/8" / 1/2" BSP (M)



Connection	Item Code
1/2" BSP (M)	MDAL1/2MX1/4F
3/8" BSP (M)	MDAL3/8MX8PU



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CONCEPT
MD - R-01



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