



INTELLIGENT SOLENOID DRIVEN ELECTRONIC METERING CHEMICAL DOSING PUMP

INFINITY



IDP ▶
REGULER



INFIDOSE ▶
PBQ SERIES

INTRODUCTION:

Thank you for purchasing the "IDP/IDP★/IDP+/IDP_{PRO}" series dosing pump manufactured to the highest standards.

This user and maintenance manual is a document issued by AETS INDIA in relation to the products to which it refers, it is to be considered an integral part of the product itself for its whole life, even in case of eventual sale to third parties, up to the demolition and disposal of the same.

All rights of reproduction and disclosure of this operating and maintenance manual and of the attached documentation are reserved to AETS INDIA

Any reproduction, even if partial, is prohibited.

Purposes of this manual:

Provide operators and maintenance personnel with all the necessary information and warnings so that they can carry out their work in conditions of maximum safety.

Putting the user in a position to use the equipment correctly and safely, as well as keeping it in a state of efficiency and safety.

IDENTIFICATION DATA:

For the design and production of the product technical rules have been used in full compliance with the safety regulations in force.

AETS INDIA

E/87, ELECTRONIC ESTATE, GEZIA GIDC 26,
OPPO: DMART, GANDHINAGAR: 382028,
GUJARAT, INDIA
www.infinityequipments.com

Declares to be the Supplier of the equipment and to be the contact person for any technical assistance operations of a maintenance nature and / or modification of the equipment.

If the explanations given here are not clear or incomplete, and one or more parts of the manual itself are not perfectly understandable, it is necessary to contact the Supplier to obtain all the necessary additional information; if the Supplier finds the actual need, it undertakes to provide a new manual enriched with the clarifications.

In order to obtain the best performance of the product, it is recommended to strictly follow the instructions contained in this manual which must be carefully read and understood in its entirety; the indications concerning the use of the equipment must be carried out in an absolutely precise manner according to what is specified below.

This manual is strictly technical in nature, therefore exclusively owned by AETS INDIA that all rights are reserved; any reproduction, even if partial, is forbidden according to the law.



CAUTION!

The use of the equipment in configurations other than those listed here or for work other than those established by the Supplier is not permitted.
Different uses, improper, and / or incorrect, compared to those expressly indicated in the manual automatically void any responsibility of the Supplier as not foreseen, and therefore not specifically covered in the risk analysis.

it is necessary to read what is reported in the manual before starting any operation.

This symbol emphasizes this need.
Keep this manual for future reference.



GENERAL SAFETY GUIDELINES:

This manual use the following safety message icon:



Danger!

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



Warning!

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Important - A practice not related to personal injury or additional information.

PURPOSE OF USE AND SAFETY

METERING PUMP IS INTENDED FOR CHEMICAL DOSING.

Do not use in explosive area (EX).

Do not use with flammable chemicals.

Do not use with radioactive chemicals.

Use after a proper installation.

Use the pump in accordance with the data and specifications printed on the label.

Do not modify or use in a manner inconsistent with the provisions of the operating manual.



Keep the pump protected from sun and water. Avoid water splashes.



In emergencies the pump should be switched off immediately. Disconnect the power cable from the power supply.



When using pump with aggressive chemicals observe the regulations concerning the transport and storage of aggressive fluids.



When installing always observe national regulations.



Manufacturer is not liable for any unauthorized use or misuse of this product that may cause injury, damage to persons or materials.



Pump must be accessible at all times for both operating and servicing. Access must not be obstructed in any way.



Feeder should be interlocked with a no-flow protection device to automatically shut-off the pump when there is no flow.



Pump and accessories must be serviced and repaired by qualified and authorized personnel only.



Before any operation:

- always read chemical Material Safety Data Sheet (MSDS);
- always wear protective clothing;
- always discharge the liquid end before servicing the pump;
- empty and rinse the liquid end before working on a pump which has been used with hazardous or unknown chemicals.



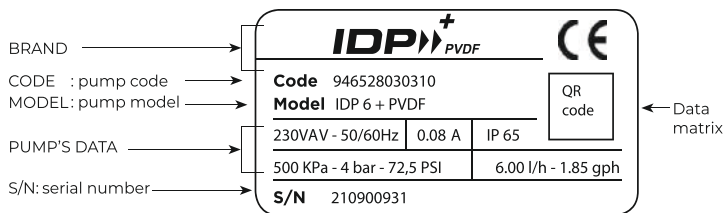
This equipment requires regular maintenance to ensure performance output as declared by the manufacturer.



Chemical feeding must be stopped during backwash cycles and periods of no flow as these conditions may introduce the potential for chemical overdosing. Not doing so may result in elevated chemical concentrations and hazardous gas introduction into the water flowline.

ENVIRONMENTAL SAFETY Work area
Always keep the pump area clean to avoid and/or discover emissions.

Product identifying label



SPARE PARTS For spare parts orders or any other communication, refer to the pump's label. Code (CODE) and serial number (S / N) uniquely identify the pump.

Transportation and storage

i A not suitable transportation or storage can cause damages.

Use original box to pack the pump.

Observe storage conditions also for transportation.

Although packed, always protect the unit against humidity and chemical reactions.

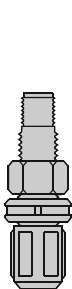
! Before return the dosing pump to the manufacturer repair service, drain the chemicals from pump head and rinse it. Refer to Shutdown procedure.

Fill the PRODUCT SERVICE REPAIR FORM at the end of this manual, request a RMA (Return Merchandise Authorization) to the distributor, once authorized, send the product back in accordance with the distributor including the Repair Form, Proof of purchase and payment, and follow the warranty instructions and conditions indicated at the end of the manual

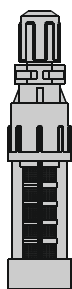
i DO NOT TRASH PACKAGING. USE IT TO RETURN THE PUMP.

Transportation and storage temperature 10-50°C

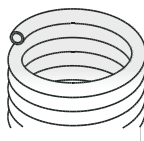
Humidity 95% relative humidity (not condensed)



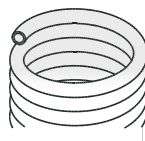
Injection valve



Foot filter valve

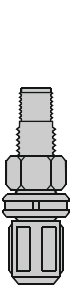


Suction tube (Hose)

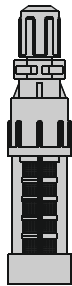


Discharge tube (Hose)

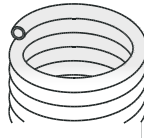
INSIDE-BOX	IDP	IDP PVDF
Diaphragm	SOFT PTFE	PVDF
Injection valve	GFPP	PVDF
Foot filter valve	GFPP	PVDF
Suction tube (Hose)	SOFT PVC 6/4 mm	PVDF 6/4 mm
Discharge tube (Hose)	LDPE 6/4 mm	PVDF 6/4 mm



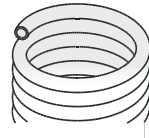
Injection valve



Foot filter valve



Suction tube (Hose)



Discharge tube (Hose)

INSIDE-BOX		
Diaphragm	SOLID PTFE	PVDF
Injection valve	GFPP	PVDF
Foot filter valve	GFPP	PVDF
Suction tube (Hose)	SOFT PVC 6/4 mm	PVDF 6/4 mm
Discharge tube (Hose)	LDPE 6/4 mm	PVDF 6/4 mm



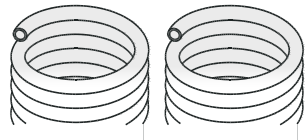
Level sensor



Injection valve

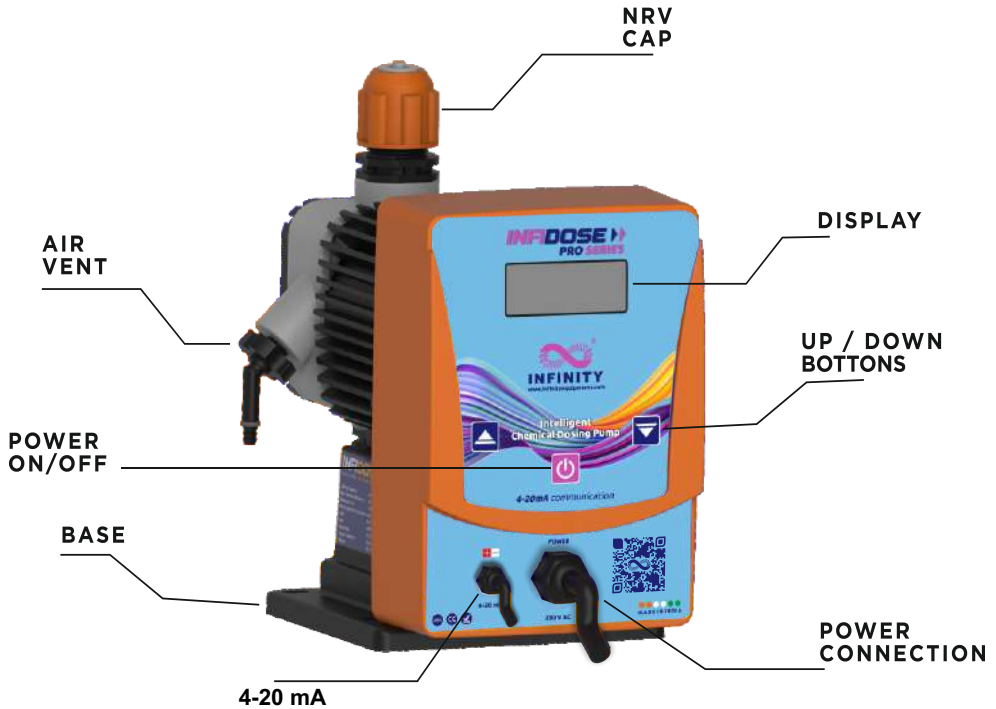


Foot filter valve



Suction / Discharge tube (Hose)

INSIDE-BOX		 PVDF
Diaphragm	SOLID PTFE	PVDF
Level sensor	GFNV	PVDF
Injection valve	GFPP	PVDF
Foot filter valve	GFPP	PVDF
Suction tube (Hose)	SOFT PVC 6/4 mm	PVDF 6/4 mm
Discharge tube (Hose)	LDPE 6/4 mm	PVDF 6/4 mm



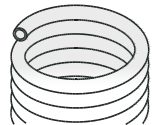
Injection valve



Foot filter valve



Suction tube (Hose)



Discharge tube (Hose)

INSIDE-BOX	INFIDOSE  PRO SERIES	INFIDOSE  PRO SERIES PVDF
Diaphragm	SOLID PTFE	PVDF
Injection valve	GFPP	PVDF
Foot filter valve	GFPP	PVDF
Suction tube (Hose)	SOFT PVC 6/4 mm	PVDF 6/4 mm
Discharge tube (Hose)	LDPE 6/4 mm	PVDF 6/4 mm

TECHNICAL SPECIFICATION



MODEL SERIES								
OPERATING TYPE	Analog (Knob) Operated		With membrane switch, High Accurate Digital Display		Low Level Sensor Dry Run Protection Aux Output For Further Automation. High Accurate Digital Display.		4-20 mA communication for Automatic dosing feature inbuilt, High Accurate Digital Display.	
MECHANICAL	Dosing Capacity Max. Operating Pressure Max. Stoke Per Min. M		0.2-21 LPH 0 - 7 Bar 0 - 400 SPM		0.2-21 LPH 0 - 7 Bar 0 - 400 SPM		0.2-21 LPH 0 - 7 Bar 0 - 400 SPM	
ELECTRICAL	Voltage Length Of Main Cable Max. Power Consumption Electric Safety Class Pollution Degree Ingress Protection		V 230 (+/- 35%) 50 HZ M 2 W 30 - 2 - 3 IP 65		V 230 (+/- 35%) 50 HZ M 2 W 30 - 2 - 3 IP 65		V 230 (+/- 35%) 50 HZ M 2 W 30 - 2 - 3 IP 65	
SOUND	Max. Sound Pressure Level		dB < 60		dB < 60		dB < 60	
MOC METAL PARTS	Plunger Copper Insulation Class		SS 304 Class-H		SS 304 Class-H		SS 304 Class-H	
MOC OF DOSING CHEMICAL WETTED PARTS	PP	Head, injection & PP GF/N GF foot valve Tube : 6/4mm LDPE Seal : NBR Diaphragm : PTFE Soft	PP	Head, injection & PP GF/N GF foot valve Tube : 6/4mm LDPE Seal : NBR Diaphragm : PTFE Solid	PP	Head, injection & PP GF/N GF foot valve Tube : 6/4mm LDPE Seal : NBR Diaphragm : PTFE Solid	PP	Head, injection & PP GF/N GF foot valve Tube : 6/4mm LDPE Seal : NBR Diaphragm : PTFE Solid
	PVDF	Head, injection : PVDF & foot valve Tube : 6/4mm PVDF Seal : VITON Diaphragm : PVDF	PVDF	Head, injection : PVDF & foot valve Tube : 6/4mm PVDF Seal : VITON Diaphragm : PVDF	PVDF	Head, injection : PVDF & foot valve Tube : 6/4mm PVDF Seal : VITON Diaphragm : PVDF	PVDF	Head, injection : PVDF & foot valve Tube : 6/4mm PVDF Seal : VITON Diaphragm : PVDF
DOSING CHEMICAL COMPATIBILITY	PP	To Dose Low And Average Concentrated Ph Solution.	PP	To Dose Low And Average Concentrated Ph Solution.	PP	To Dose Low And Average Concentrated Ph Solution.	PP	To Dose Low And Average Concentrated Ph Solution.
	PVDF	To Dose Highly Acidic Or Basic Concentrated Ph Solution.	PVDF	To Dose Highly Acidic Or Basic Concentrated Ph Solution.	PVDF	To Dose Highly Acidic Or Basic Concentrated Ph Solution.	PVDF	To Dose Highly Acidic Or Basic Concentrated Ph Solution.

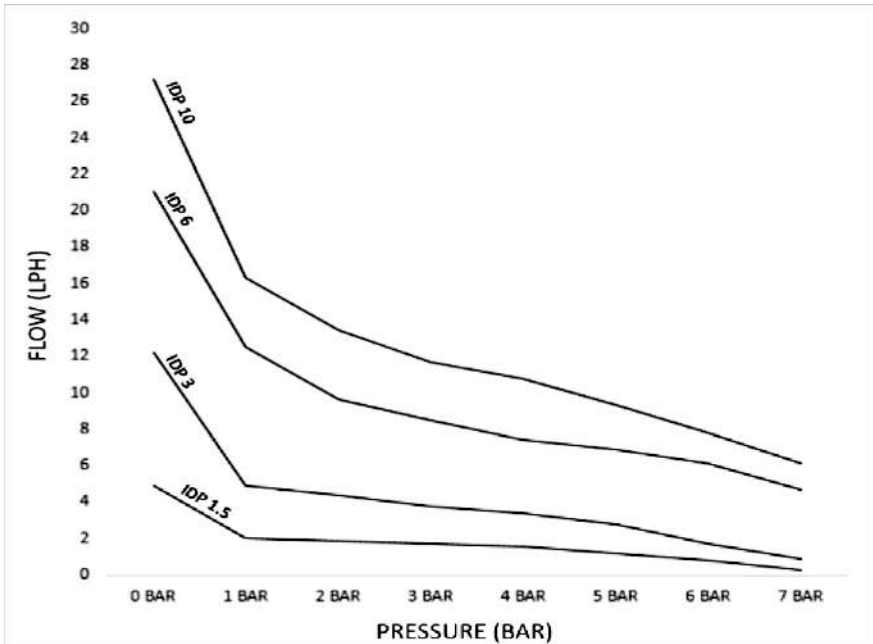
PERFORMANCE CHART

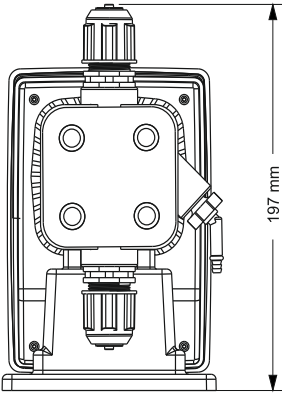
IDP SERIES	MODEL	INTELLIGENT CHEMICAL DOSING PUMP			
		IDP 1.5 HA IDP 1.5 IDP 1.5 * HA IDP 1.5 * IDP 1.5 + HA IDP 1.5 + IDP 1.5 <i>PRO</i> HA IDP 1.5 <i>PRO</i>	IDP 3 HA IDP 3 IDP 3 * HA IDP 3 * IDP 3 + HA IDP 3 + IDP 3 <i>PRO</i> HA IDP 3 <i>PRO</i>	IDP 6 HA IDP 6 IDP 6 * HA IDP 6 * IDP 6 + HA IDP 6 + IDP 6 <i>PRO</i> HA IDP 6 <i>PRO</i>	IDP 10 HA IDP 10 IDP 10 * HA IDP 10 * IDP 10 + HA IDP 10 + IDP 10 <i>PRO</i> HA IDP 10 <i>PRO</i>

PRESSURE ΔP (BAR)	FLOW RATE (LPH)*			
	0 BAR	1 BAR	2 BAR	3 BAR
0 BAR	4.9 LPH	12.2 LPH	21 LPH	27.2 LPH
1 BAR	2.0 LPH	4.9 LPH	12.5 LPH	16.3 LPH
2 BAR	1.9 LPH	4.4 LPH	9.6 LPH	13.4 LPH
3 BAR	1.7 LPH	3.8 LPH	8.5 LPH	11.7 LPH
4 BAR	1.6 LPH	3.4 LPH	7.4 LPH	10.8 LPH
5 BAR	1.2 LPH	2.8 LPH	6.9 LPH	9.3 LPH
6 BAR	0.8 LPH	1.7 LPH	6.1 LPH	7.8 LPH
7 BAR	0.3 LPH	0.9 LPH	4.7 LPH	6.1 LPH

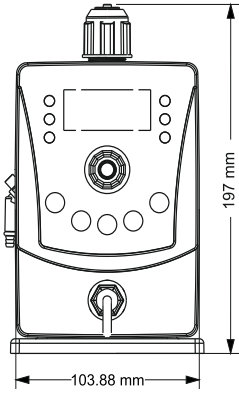
STROKE PER MIN	60 SPM	130 SPM	240 SPM	375 SPM
----------------	--------	---------	---------	---------

DOSING PUMP FLOW CHART

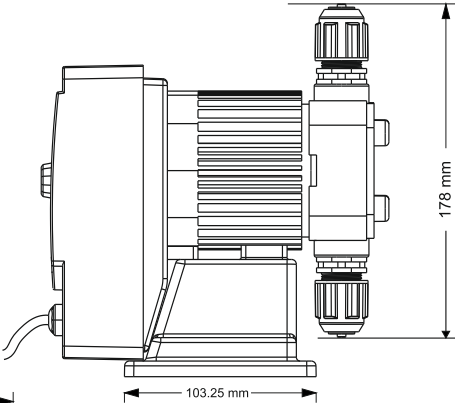




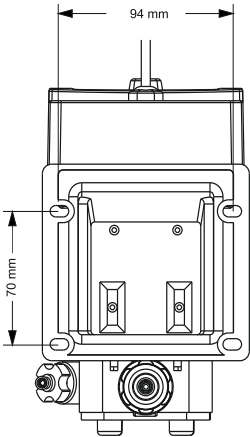
BACK SIDE



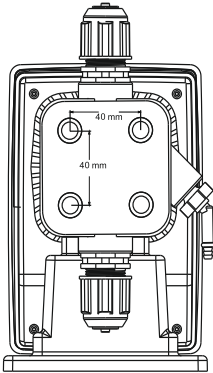
FRONT SIDE



RIGHT SIDE

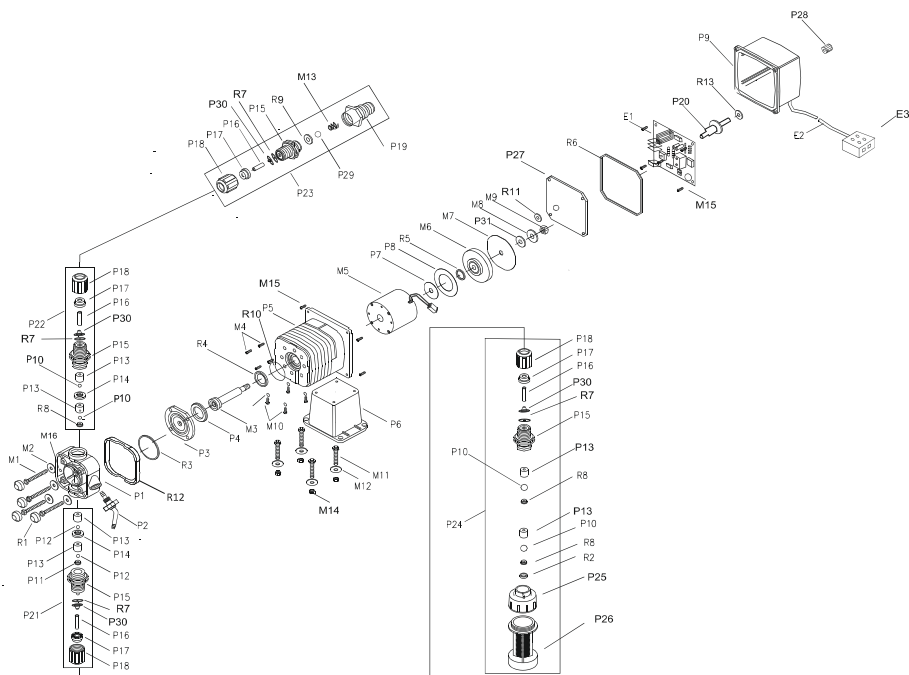


BOTTOM SIDE



BACK SIDE

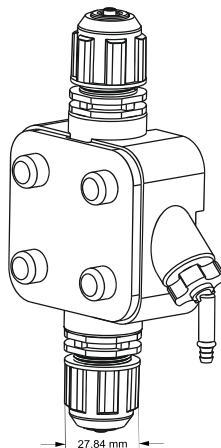
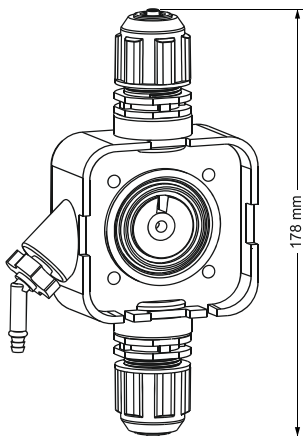
EXPLODED DIAGRAM & SPARE PART LIST



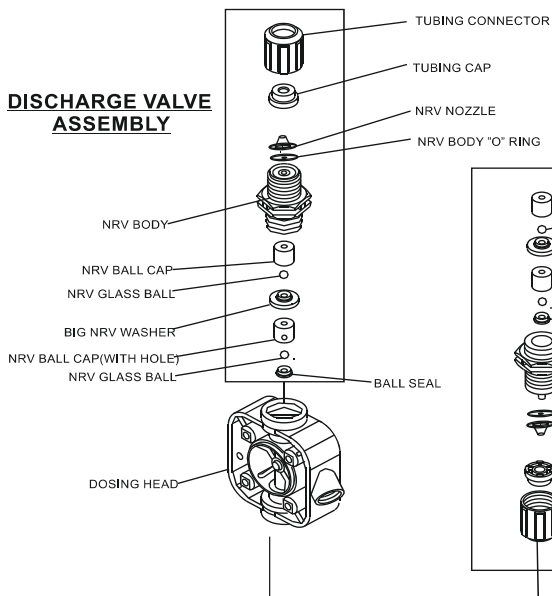
S. NO.	PART NO.	DESCRIPTION
1	P1	DOSING HEAD.
2	P2	AIR RELEASE VALVE.
3	P3	DIAPHRAGM.
4	P4	DIAPHRAGM SPACER.
5	P5	SOLENOID HOUSING.
6	P6	MOUNTING BRACKET.
7	P7	PVC WASHER.
8	P8	PVC RING.
9	P9	PCB HOUSING.
10	P10	ON-OFF SWITCH RING
11	P11	NRV WASHER (SMALL TEFLON).
12	P12	NRV BALL (TEFLON).
13	P13	NRV BALL CAP
14	P14	NRV WASHER (BIG TEFLON).
15	P15	NRV BODY.
16	P16	SUCTION FILTER TUBING (HDPE).
17	P17	TUBING CAP.
18	P18	TUBING CONNECTOR.
19	P20	KNOB STICK
20	P21	SUCTION VALVE.
21	P22	DISCHARGE VALVE.
22	P23	INJECTION VALVE ASSEMBLY.
23	P24	SUCTION FILTER ASSEMBLY.
24	P29	SOLENOID HOUSING PLATE.
25	P30	KNOB
26	P31	NRV BODY WASHER.
27	P32	NRV NOZZLE.
28	R1	BOLT HEAD CAP.

S. NO.	PART NO.	DESCRIPTION
29	R3	DIAPHRAGM WASHER (Ø 41X45X2).
30	R4	BRASS ROD WASHER.
31	R5	SOLENOID SPACER 'O' RING.(Ø 15.6 X 1.78).
32	R6	P.C.B HOUSING WASHER
33	R7	SWITCH COVER
34	R8	BALL SEAL.
35	R11	SOLENOID HOUSING ORING (Ø 40 X 2).
36	R12	SOLENOID HOUSING PLATE GROMET. (NP)
37	R13	BEEDING
38	E1	P.C.B.
39	E2	POWER CORD.
40	E3	TWO WAY CONNECTOR
41	M1	M5 X 45 BOLT S.S. (316)
42	M2	SMALL WASHER (5.2 X 15 X 2).
43	M3	BRASS ROD.
44	M4	8 X3 SOLENOID BOLT (PAN HEAD) S.S.
45	M5	SOLENOID ASSEMBLY.
46	M6	SOLENOID SPACER.
47	M7	SPRING S.S.
48	M8	BIG WASHER (8.5 X 18 X 2).
49	M9	8MM NUT (S.S).
50	M10	10X 3 S.S BOLT (PAN HEAD).
51	M11	M6 X 20 BOLT. S.S.
52	M12	M6 WASHER. S.S.
53	M14	S.S. WASHER. (8.5 X 3.5)
54	M15	M6 NUT.
55	M16	PCB BOLT 6 X 3
56	M17	STAR WASHER (M5)

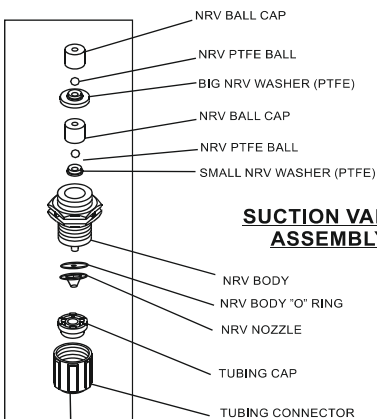
DOSING HEAD DIMENSIONAL AND EXPLODED VIEW



DISCHARGE VALVE ASSEMBLY



SUCTION VALVE ASSEMBLY



INSTALLATION INSTRUCTIONS

Suction hose connection:



Suction piping should be as short as possible and installed in vertical position to avoid air bubbles suction.

Completely unscrew tightening nut from pump's head and remove assembling components: tightening nut, holding ring and pipe holder.

Assembly as shown in Fig. 7.

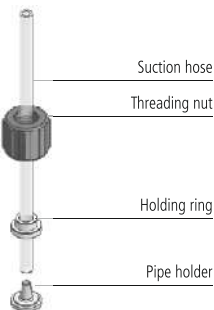
Insert hose into pipe holder until it reaches the bottom. Lock hose on pump's head by screwing down the tightening nut.



Hand-tighten the nuts firmly.

Do not use tongs, pliers or any other tool.

Fig. 7. Suction hose assembling



Delivery hose assembly



Suction and delivery valves must be in vertical position.



Delivery hose must be firmly fixed to avoid suddenly movements that could damage near objects

Completely unscrew tightening nut from pump's head and remove assembling components: tightening nut, holding ring and pipe holder.

Assembly as shown in Fig.6.

Insert hose into pipe holder until it reaches the bottom. Lock hose on pump's head by screwing down the tightening nut.

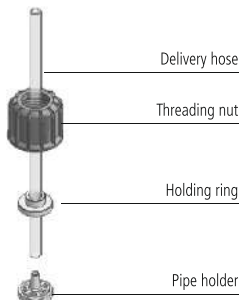


Hand-tighten the nuts firmly.

Do not use tongs or any other tool.

Connect the other end of the hose to the injection valve using the same procedure.

Fig 8. Delivery hose / pump head assembling



Injection valve

Injection valve must be installed on plant from water's input.
Injection valve will open at pressure greater than 0,3 bar.
On request 1, 2, 3, 4 or 5 bar injection valve are available.

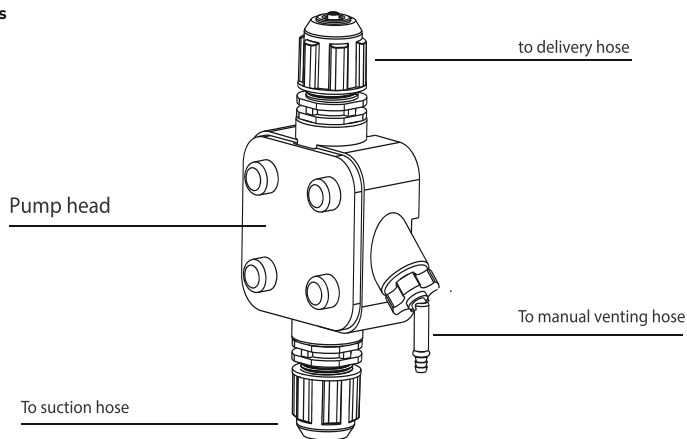
Venting hose

Insert one side of venting hose into discharge connector as shown in Fig. 8.

Insert other side of venting hose into product's tank.

During priming procedure product exceeding will flow into tank.

Pump head connections



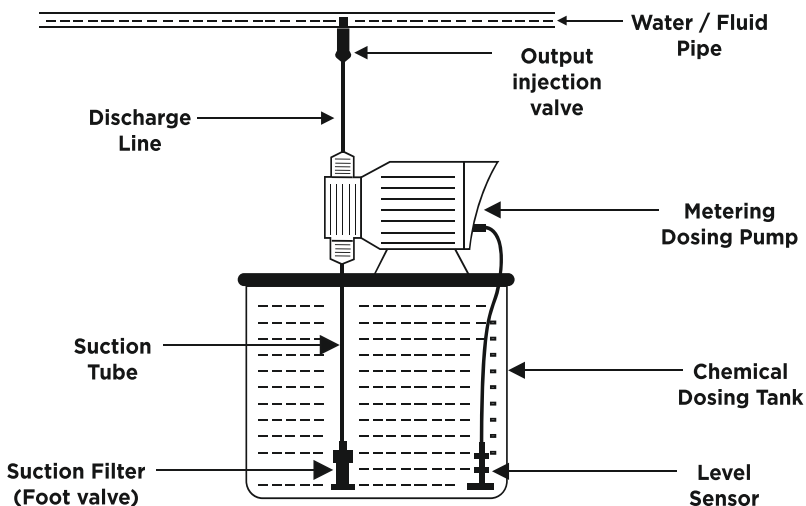
Flow direction is indicated by the arrow on the valves.

For priming procedure see PRIMING

it's allowed to lightly bend venting hose.

 During calibration procedure ("TEST") insert venting hose into BECKER test-tube.

MOUNTING SCHEME:



Mount the pump on a tank or any other flat surface and fix properly using the nut bolts provided.

Cut the Suction tubing provided to the desired length (Max. 1.5m) and ensure that the Suction filter remains Vertical and always immersed in solution.

Use the correct DITCH tube to connect to the discharge side of the pump at one end, Connect other end of the tube to the injection valve supplied.

Connect the Injection Valve to the Pipe in to which dosing is to be done.

Connect the power cable of pump to a 230V A.C. electrical supply.

Before starting the pump ensure that the suction filter is fully immersed in solution. Then set the frequency knob to 100% and switch on the pump with ON/OFF switch.

When starting for the first time, open the air release valve to release air from the system and close it once solution starts flowing out steadily.

Then set frequency to the required percentage depending on the desired dosing rate.

WIRING

Preliminary checks:



ELECTRICAL WIRINGS SHOULD BE CARRIED OUT BY AUTHORIZED AND QUALIFIED PERSONNEL ONLY IN ACCORDANCE WITH LOCAL REGULATIONS.

Before proceeding, verify the following steps:

1. Verify the data on nameplate.

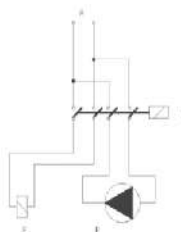
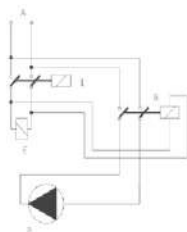
Make sure that the electrical data on the nameplate of the motor corresponds to the electrical supply.

2. Verify the grounded power outlet.

The pump must be plugged to a grounded power outlet. Pump must be connected to a motor protection switch (Residual Current Circuit Breaker - MCCB).

3. Install a relay switch.

Do not install it in parallel with heavy inductance load (for example: engines). See Fig. 10.



P - Dosing pump
R - Relay
I - Switch or safety device
E - Electrovalve or inductance load
A - Power supply

4. Verify peak Amps. 115 or 230 VAC pumps do not use motor overload protection.

Power supply	
12VDC	connect the pump to a 55 Ah-12VDC battery
24VDC	connect the pump to a 200W stabilized power supply (verify peak Amps)

5. Verify level probe “BNC” is connected as described in “Foot filter / Level probe”..

PRIMING

Warnings

-  Feeder should be interlocked with a no-flow protection device to automatically shut-off the pumps when there is no flow!
-  Adequate measures shall be taken to prevent cross connection of chemicals!
-  Chemical feeding must be stopped during backwash cycles and periods of noflow as these conditions may introduce the potential for chemical overdosing. Not doing so may result in elevated chemical concentrations and hazardous gas introduction into the flowline.
-  Never operate any pumping system with a blocked suction and discharge. You must take all necessary measures to avoid this condition.



SAFETY EQUIPMENT

Use safety equipment according to the company regulations and local requirement. Use this safety equipment within the work area:

- Helmet
- Safety goggles (with side shields)
- Protective shoes
- Protective gloves
- Gas mask

Manual priming

To prime the pump (only in CONSTANT working mode):

1. Perform all piping connection (Delivery, suction, and venting hose);
2. Turn completely the venting knob to open discharge valve;
3. Set STROKE LENGTH KNOB/BUTTON on 100% (for viscous liquids set between 50 and 70%);
4. Supply the pump;
5. When the product will start to flow into venting hose, close the discharge valve turning the knob (not for self-venting models).

For viscous liquids, to facilitate priming: insert a 20 cc syringe on venting pipe and suck; When syringe is almost full close the discharge valve turning the knob.

Main board replacement procedure



Make sure that the product is isolated from the power supply and cannot be powered by mistake.



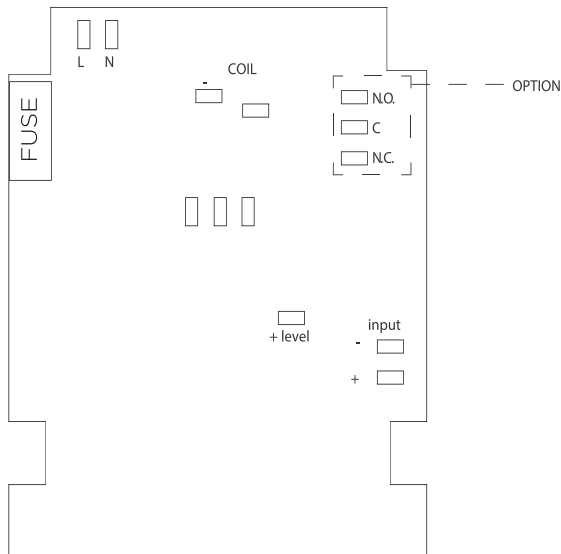
This procedure SHOULD BE CARRIED OUT BY AUTHORIZED AND QUALIFIED PERSONNEL

In order to replace main board, you need these tools:

- a 3x16 screwdriver
- a 3x15 screwdriver
- new main board
- Unplug power supply and pipings.
- Turn STROKE LENGHT ADJUSTMENT KNOB on 0%.
- Remove screws on the back of the pump.
- Pull back cover until it's completed separated from pump's front. Be careful of the knob's spring.
- Remove boards screws..
- Completely disconnect wires from main board and replace it. Reinsert screws.
- Reconnect wires to the main board (Main board scheme).
- Reassemble the pump. Be careful to put back the knob's spring.
- Reinsert screws.

Main board

Main board scheme



TROUBLESHOOTING GUIDE

PROBLEM	CAUSE	REMEDY
Pump does not start	• Pump not powered • Protection fuse • Main board	• Connect to main voltage • Replace fuse Fuse replacement procedure • Replace main board Main board replacement procedure.
Pump does not feed but solenoid runs	• Foot filter obstruction • Pump head empty (suction pipe empty) • Air bubbles into pump head or into suction pipe • Product generates gas	• Clean the foot filter • Prime the pump PRIMING • Check valves, pipes and fittings • Open venting knob and let air flow out. Use a self-venting pump head.
Pump does not feed, solenoid does not run or slightly run	• Valves and/or ball valves blocked • Injection valve obstruction	• Clean valves and ball valve. Feed 2-3 litres of water to wash valves and pump head • Change valves

 If the problem can not be solved, please contact after-sales service or return the dosing pump to the manufacturer.

Repair service



Before return the dosing pump to the manufacturer Repair service, drain the chemical from pump head and rinse it. Refer to Shutdown procedure.

If there is the possibility that residual corrosive liquid into pump head could cause damages, declare it on REPAIR FORM.



Fill the PRODUCT SERVICE REPAIR FORM and send it with the dosing pump. Repair service is not accepted if PRODUCT SERVICE REPAIR FORM is missing.

Fuse replacement procedure



Make sure that the product is isolated from the power supply and cannot be powered by mistake.



This procedure SHOULD BE CARRIED OUT BY AUTHORIZED AND QUALIFIED PERSONNEL

In order to replace fuse, you need these tools:

- a 3x16 screwdriver
- a 3x15 screwdriver
- fuse (see Features)

- Unplug power supply and pipings.
- Remove screws on the back of the pump.
- Pull back cover until it's completely separated from pump's front.
- Be careful of the knob's spring.
- Locate the fuse and replace with a new one.
- Reassemble the pump. Be careful to put back the knob's spring.
- Reinsert screws

MAINTENANCE:

Maintenance schedule



In order to ensure the requirements of potable drinking water treated and the maintenance of the improvements as declared by the manufacturer, this equipment must be checked at least once a month.



OPERATOR PROTECTION

Use safety equipment according to the company regulations.

Use this safety equipment within the work area during installation, service and when handling chemicals:

- protective mask
- protective gloves
- safety goggles
- ear plugs or hear mus
- further security device, if necessary.



POWER SUPPLY DISCONNECTION

Always disconnect power to the motor before you perform any installation or maintenance tasks. Failure to disconnect power will result in serious physical injury.



Installation and maintenance tasks should be carried out by AUTHORIZED AND QUALIFIED PERSONNEL only in accordance with local regulations.



Use original spare parts.

Maintenance inspection



Shutdown the dosing pump before any maintenance operation **Shutdown Procedure.**

A maintenance schedule includes these types of inspections:

- Routine maintenance and inspoctions
- Three-month inspections
- Annual inspections

Shorten the inspection intervals appropriately if the pumped chemical is abrasive or corrosive.

Routine maintenance and inspections

Perform these tasks whenever you perform routine maintenance:

- Inspect the seal. Ensure that there are no leaks from the mechanical seal.
- Check electrical wiring
- Check for unusual noise and vibration (noise allowed 74 dB(A; ± 5 dB).
- Check the pump and piping for leaks.
- Check for corrosion on parts of the pump and / or on hoses.

Three-month inspections

Perform these tasks every three months:

- Check the tightening of the connections.
- Check the mechanical seal if the pump has been left idle.

Annual inspections

Perform these inspections one time each year:

- Check the pump capacity (as per nameplate).
- Check the pump pressure (as per nameplate).
- Check the pump power (as per nameplate).

GARANZIA LIMITATA

I PRODOTTI DI BLUESPACE INDUSTRIES LTD SONO COPERTI CONTRO TUTTI I DIFETTI DI PRODUZIONE O DI MATERIALE PER 2 ANNI DALLA DATA DI ACQUISTO.

OGNI EVENTUALE RICHIESTA DI INTERVENTO IN GARANZIA DEVE ESSERE ACCOMPAGNATA DA UNA PROVA DI ACQUISTO RIPORTANTE LA DATA E DOCUMENTAZIONE SUL DIFETTO RISCOVRIATO.

SI CONSIGLIA DI CONSERVARE SEMPRE LA FATTURA O LO SCONTRINO FISCALE.

QUESTA GARANZIA È LIMITATA ALLA RIPARAZIONE O SOSTITUZIONE, A DISCREZIONE DI BLUESPACE INDUSTRIES LTD, DEI PRODOTTI DIFETTOSI, SE OGGETTO DI USO NORMALE CONDOTTO SECONDO LE ISTRUZIONI RIPORTATE IN QUESTO MANUALE D'USO, SE NON ALTERATI IN ALCUN MODO.

LA PRESENTE GARANZIA NON COPRE I DANNI DOVUTI AL GELO O LEGATI ALL'AZIONE DI PRODOTTI CHIMICI.

OGNI ALTRO COSTO (TRASPORTO, MANODOPERA, ECC..) O RISARCIMENTO DANNI È ESCLUSO DALLA PRESENTE GARANZIA.

BLUESPACE INDUSTRIES LTD NON È RESPONSABILE PER QUALSIASI DANNO, DIRETTO O INDIRETTO, DERIVANTE DA UN'INSTALLAZIONE NON CORRETTA, DA COLLEGAMENTI ERRONEI O DA UN USO IMPROPRIO DEL PRODOTTO.

LA PRESENTE GARANZIA È SOLO VALIDA SE LE FATTURE SONO SALDATE ALLA LORO SCADENZA CONTRATTUALE.

PER USUFRUIRE DELLA PRESENTE GARANZIA E RICHIEDERE UN INTERVENTO DI RIPARAZIONE O SOSTITUZIONE DI UN ARTICOLO, CONTATTARE IL PROPRIO RIVENDITORE.

LIMITED WARRANTY

THE PRODUCTS OF BLUESPACE INDUSTRIES LTD ARE COVERED AGAINST ALL PRODUCTION OR MATERIAL DEFECTS FOR 2 YEARS FROM THE DATE OF PURCHASE.

ANY EVENTUAL REQUEST FOR WARRANTY INTERVENTION MUST BE ACCOMPANIED BY A PROOF OF PURCHASE SHOWING THE DATE AND DOCUMENTATION ON THE DEFECT FAILURE.

IT IS ADVISABLE TO ALWAYS KEEP THE INVOICE OR RECEIPT.

THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT THE DISCRETION OF BLUESPACE INDUSTRIES LTD, OF DEFECTIVE PRODUCTS, IF THEY ARE SUBJECT OF NORMAL USE CARRIED OUT ACCORDING TO THE INSTRUCTIONS IN THIS USER MANUAL, IF NOT ALTERED IN ANY WAY.

THIS WARRANTY DOES NOT COVER DAMAGE DUE TO FROST OR CHEMICALS.

ANY OTHER COSTS (TRANSPORTATION, LABOR, ETC.) OR COMPENSATION FOR DAMAGES IS EXCLUDED FROM THIS WARRANTY.

BLUESPACE INDUSTRIES LTD IS NOT RESPONSIBLE FOR ANY DAMAGE, DIRECT OR INDIRECT, RESULTING FROM INCORRECT INSTALLATION, INCORRECT CONNECTIONS OR IMPROPER USE OF THE PRODUCT.

THIS WARRANTY IS ONLY VALID IF THE INVOICES ARE COMPLETELY SETTLED AT THEIR CONTRACTUAL DEADLINE.

TO CLAIM ON A WARRANTY AND REQUEST A REPAIR OR REPLACEMENT OF AN ITEM, CONTACT YOUR DEALER.

GARANTIE LIMITÉE

LES PRODUITS DE BLUESPACE INDUSTRIES LTD SONT COUVERTS CONTRE TOUS DÉFAUTS DE FABRICATION OU DE MATIÈRES PENDANT

2 ANS À COMPTER DE LA DATE D'ACHAT.

TOUTE DEMANDE ÉVENTUELLE D'INTERVENTION DE GARANTIE DOIT ÊTRE ACCOMPAGNÉE D'UNE PREUVE D'ACHAT INDIQUANT LA DATE ET LA DOCUMENTATION SUR L'ÉCHEC DU DÉFAUT.

IL EST CONSEILLÉ DE TOUJOURS CONSERVER LA FACTURE OU LE REÇU.

CETTE GARANTIE EST LIMITÉE À LA RÉPARATION OU AU REMPLACEMENT, À LA DISCRÉTION DE BLUESPACE INDUSTRIES LTD, DES PRODUITS DÉFECTUEUX, SOUS CONDITION D'AVOIR ÉTÉ UTILISÉS SELON LES INSTRUCTIONS CONTENUES DANS CE MANUEL, S'ILS NE SONT PAS MODIFIÉS DE QUELQUE MANIÈRE QUE CE SOIT.

CETTE GARANTIE NE COUVRE PAS LES DOMMAGES DUS AU GEL OU À L'ACTION DE PRODUITS CHIMIQUES.

TOUS LES AUTRES COÛTS (TRANSPORT, MAIN-D'ŒUVRE, ETC.) OU LES DOMMAGES-INTÉRÊTS SONT EXCLUS DE CETTE GARANTIE.

BLUESPACE INDUSTRIES LTD N'EST PAS RESPONSABLE DE TOUT DOMMAGE, DIRECT OU INDIRECT, RÉSULTANT D'UNE INSTALLATION INCORRECTE, DE CONNEXIONS INCORRECTES OU D'UNE MAUVAISE UTILISATION DU PRODUIT.

CETTE GARANTIE N'EST VALABLE DANS LE CAS DES FACTURES NON-RÉGLÉES À LEUR DATE D'ÉCHÉANCE.

POUR RÉCLAMER UNE GARANTIE ET DEMANDER UNE RÉPARATION OU UN REMPLACEMENT D'UN ARTICLE, CONTACTEZ VOTRE REVENDUEUR.

PRODUCT SERVICE REPAIR FORM

MOD 7.5 B1 Q
Ed.1 - rev. 09/2021

ENCLOSE THE PRESENT FORM TO THE DELIVERY NOTE

DATE

SENDER

Company name.....
Address,
Phone no.
Contact person.....

PRODUCT TYPE (see product label)

DEVICE CODE.....
S/N (serial number).....

OPERATING CONDITIONS

Location/installation description.....
.....
Chemical,
Start-up (date)..... Running time (approx. hours).....

REMOVE ALL THE LIQUID INTO THE PUMP HEAD AND DRY IT BEFORE PACKAGING IN ITS ORIGINAL BOX.

DESCRIPTION OF PROBLEM

- ☐ **MECHANICAL**
Wear parts.....
Brekage/other damages.....
Corrosion.....
Other.....
- ☐ **ELECTRICAL**
Connections, connector, cables,
Operating controls (keyboard, display, etc.),
Elettronics.....
Other,
- ☐ **LEAKS**
Connections,
Pump head.....
- ☐ **NOT OR INADEQUATE FUNCTION/OTHER**
.....
.....
.....

I declare that the dosing pump is free of any hazardous chemical.

Signature of the compiler

Company stamp



A product by:

INNOVATION AETS INDIA REDEFINED
AN ISO 9001:2015 CERTIFIED COMPANY

E/87, ELECTRONIC ESTATE, GEZIA GIDC 26,
OPPO: DMART, GANDHINAGAR: 382028,
GUJARAT, INDIA

www.infinityequipments.com

Venditore / Seller/ Vendeur:



Smaltimento / Disposal / Élimination:

Non gettare la pompa tra i rifiuti domestici, ma consegnarla ad un centro di raccolta ufficiale per il riciclaggio.

The packaging material can be recycled.

Per ulteriori informazioni sul riciclaggio di questo prodotto, contattare l'ufficio comunale, il servizio locale di smaltimento rifiuti o il negozio dove è stato acquistato il prodotto.

Do not throw the pump in the household waste, but hand it over to an official collection center for recycling.

The packaging material can be recycled.

For more information on recycling this product, contact the municipal office, the local waste disposal service or the shop where the product was purchased.

Ne pas jeter la pompe dans les bacs à déchets, mais livrer la à un centre de collecte officiel pour le recyclage.

Le matériel d'emballage peut être recyclé.

Pour plus d'informations sur le recyclage de ce produit, contactez le bureau municipal, le service local d'élimination des déchets ou le magasin où le produit a été acheté.

- CI RISERVAMO IL DIRITTO DI CAMBIARE TOTALEMENTE O PARZIALMENTE LE CARATTERISTICHE TECNICHE DEI NOSTRI PRODOTTI ED IL CONTENUTO DI QUESTO DOCUMENTO SENZA NESSUN PREAVVISO.

- WE RESERVE THE RIGHT TO CHANGE ALL OR PART OF THE ARTICLES OR CONTENTS OF THIS DOCUMENT, WITHOUT PRIOR NOTICE.

- NOUS NOUS RESERVONS LE DROIT DE MODIFIER ENTièrement OU PARTIELLEMENT LES CARACTERISTIQUES DU CONTENU DE CE DOCUMENT SANS PRÉAVIS.