

IFB

Advancing the science of washing

Diva

OPERATING MANUAL

USE ONLY GENUINE IFB SPARES & ACCESSORIES

** Company shall not be responsible for defects arising due to usage of spurious parts and accessories*

Dear Customer,

A warm welcome to the international family of J.F.B 'tumble wash' technology based washing machine owners.

Your washing machine, is truly going to be your freedom machine. It requires just 30 seconds of your time in loading the fabrics and setting the programme.

Thereafter, you are totally free to do what you please. This washing machine does not need your supervision anymore.

This washing machine is modelled on the unique 'tumble wash' concept for superior fabric care and wash performances.

As you read this manual you will understand what this washing machine can do for you.

For any further information, please contact your nearest dealer or J.F.B Service Centre.

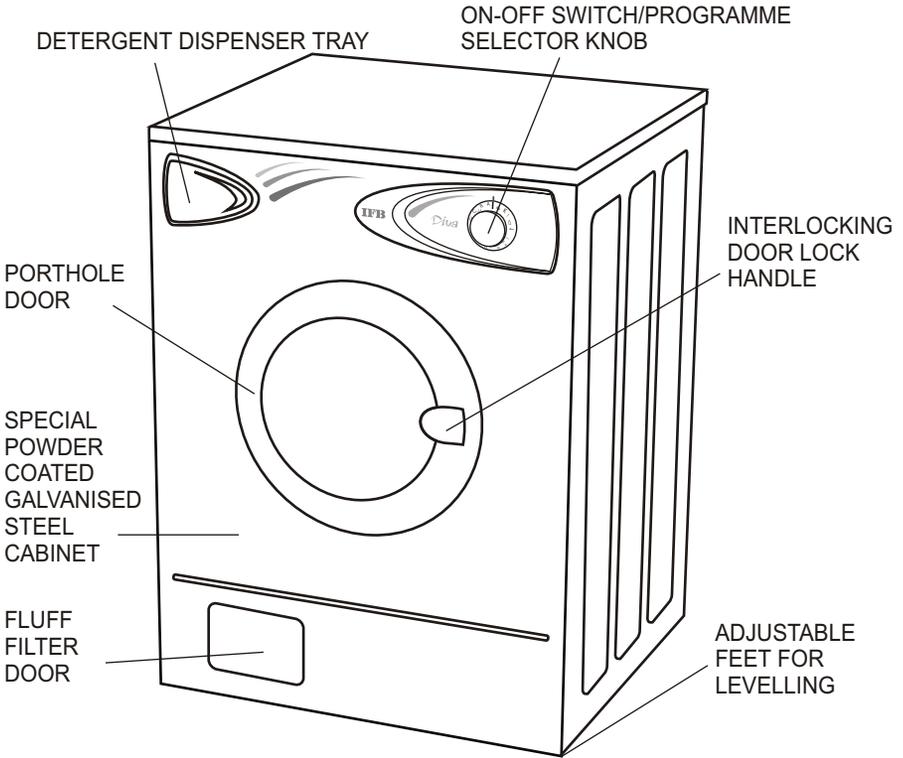


Chief Executive

CONTENTS

KNOW YOUR MACHINE	6
INSTALLATION	7
● Pre Installation	
● Unpacking	
● Setting Up	
● Water Inlet	
● Water Outlet	
● Electrical Connection	
USING YOUR MACHINE	9
● Control Panel	
● Automatic Detergent Dispenser Tray	
● ON - OFF Switch / Programme Selector Knob	
● Programme Selection	
● Programme Selection Chart	
OPERATION	13
● Sorting of Garments	
● Loading the Machine	
● Detergent to be used and Quantity	
● Treatment of stains	
● Wash Load Guide	
● International Washing Symbols	
● Programme Run	
● Switching Off the Machine	
● Check Points	
MAINTENANCE	19
● Fluff Filters	
● Drum	
● Sieves	
● Frost Protection	
● Draining During Emergencies	
FAULT DIAGNOSIS	21
● Why does it happen?	
SAFETY PRECAUTIONS	22
TECHNICAL DATA	23

KNOW YOUR MACHINE



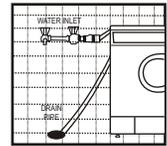
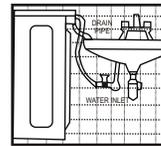
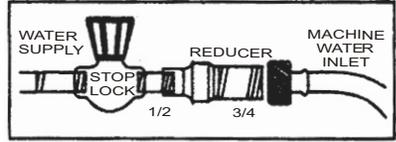
ADVANTAGES OF TUMBLE WASH

- ❑ MOST EFFECTIVE CLEANING AS THE CLOTHES PASS THROUGH SOAPY WATER AND ALSO FALL ON SOAP SOLUTION IMPROVING WETTING OF CLOTHES.
- ❑ RESEMBLES THE THUMPING AND RUBBING ACTION OF GENTLE HAND WASH.
- ❑ USES LESS WATER COMPARED TO TUB TYPE TOP LOADERS.
- ❑ LESS WATER MEANS LESS DETERGENT AND ELECTRICITY CONSUMPTION.
- ❑ WASHING IS EFFECTIVE BY DETERGENCY, SOAKING, HEATING, TUMBLING AND SQUEEZING.
- ❑ GIVES BETTER DRYING EFFECT BY SPINNING.

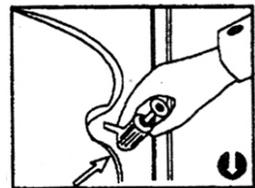
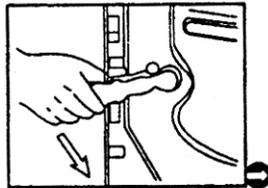
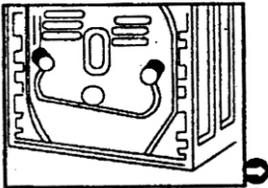
INSTALLATION

PRE-INSTALLATION

1. Make sure there is a 16 amp. 3-pin electrical point preferably with a 16 amp. fuse, within 1 meter of the machine. Make sure it has proper earthing.
2. Fixed plumbing is recommended for the machine. The water inlet of the machine has a collar with 3/4" parallel internal threads. The water supply point with an external 3/4" parallel thread should be available within 1 meter of the machine's location.
3. Two options on the water inlet and drain pipe connection are shown. In case these possibilities do not exist for the drain pipe, please arrange an additional length of pipe.
4. Please inform our service centre for installation and demonstration of the machine once the points mentioned above have been completed.



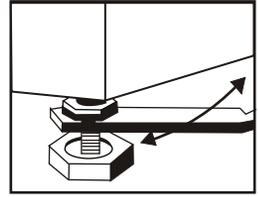
UNPACKING



1. Remove Carton.
2. Remove wooden base. Keep machine on floor or trolley.
3. Place the machine at the site at which it is to be installed.
4. Remove transit bolts.
5. Insert plastic caps provided into holes vacated and press till they click into place.
6. **Remove packing from the bottom of the motor**
7. Keep transit bolts carefully. They will be required in case you need to shift the machine again.
8. For shifting and re-installation at a new site, please get in touch with our service personnel.
9. Keep packaging material carefully. It comes handy while shifting residence.
10. PLEASE DO NOT OPERATE THE MACHINE TILL TRANSIT BOLTS HAVE BEEN REMOVED.

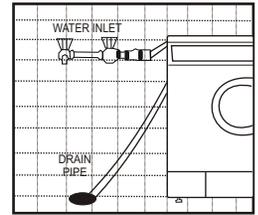
SETTING UP

1. MAKE SURE THAT THE MACHINE RESTS ON ALL FOUR FEET ON A LEVEL SURFACE. Adjustable screws are provided at the bottom to allow levelling.
2. Loosen securing nut. Adjust the screw to change level. Tighten securing nut to ensure that screw is locked into place.
3. MACHINE SHOULD BE LEVELLED AGAIN IN CASE IT IS MOVED TO A NEW SITE.



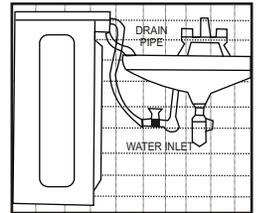
WATER INLET

1. Connect inlet hose to water tap/line.
2. Do not connect machine to a hot water supply.



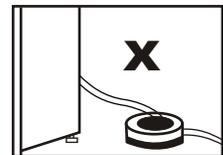
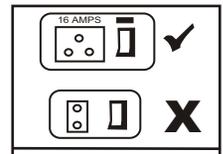
WATER OUTLET

1. A drain pump is provided in the machine to pump out used water.
2. The end of the outlet should be placed near a drain. If necessary, it can be placed over the edge of a sink at a maximum height of 1 mt. from the floor level.
3. Allow free flow of water from the outlet pipe.



ELECTRICAL CONNECTION

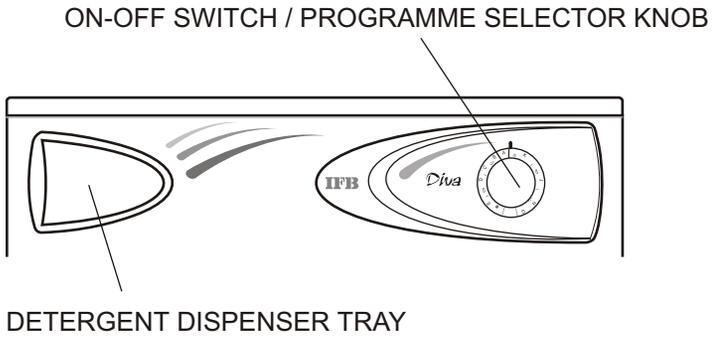
1. Check that the electrical line can take the required load.
2. Connect to a 220V, 50 Hz single phase AC supply.
3. Machine must be earthed properly before operation. This can be done by using a 3 pin plug and properly earthed socket of 16 ampere rating.
4. Ensure that there is a firm connection between the 3 pin plug and socket, else it may result in sparking and subsequent failure of 3 pin plug.
5. Use of extension cord not recommended.



USING YOUR MACHINE

CONTROL PANEL

Let's take a look at the control panel and understand the working of each of its features. Each feature serves a specific purpose in the complete operation of the machine.



AUTOMATIC DETERGENT DISPENSER TRAY

Designed for automatic dispensing of detergent. The Detergent Dispenser Tray should be filled with recommended detergent quantity before the start of a programme.

The detergent tray must be pulled out, filled as required and shut before the machine is switched on.

ON - OFF SWITCH / PROGRAMME SELECTOR KNOB

To switch ON the machine and to select the right programme as per the fabric being washed and extent of soilage.

- ❑ A choice of 10 programmes is available to wash different kinds / loads of clothes.
- ❑ Programme selection should be done before the machine is switched ON.
- ❑ **THE STARTING POINT OF PROGRAMME NEEDS TO BE SELECTED BY SHIFTING THE PROGRAMME SELECTOR KNOB ADJACENT TO PRINTED LETTERS. OPERATING THE MACHINE BEYOND PRINTING ZONE MAY RESULT IN HIGHER CONSUMPTION OF WATER & ELECTRICITY AND WILL NOT IMPROVE WASH QUALITY.**
- ❑ Machine should be switched on by gently pulling out the programme selector knob.
- ❑ After initiating the programme, machine runs through automatically. If for any reason you wish to change the programme switch OFF the machine by pushing in the programme selector knob, then set the desired programme and re-start.
- ❑ **KNOB SHOULD BE TURNED ONLY IN CLOCKWISE DIRECTION.**

PROGRAMME SELECTION



Symbols of the Programme Selector



1. Normal wash programme A to E

To be used for whites and coloureds of cotton or predominantly of cotton in case of mixed load.

STAGE I : Main Wash - A/B/C

- ❑ Clothes are soaked, tumbled in hot water with detergent to remove dirt. Before draining dirty water, it is cooled down by adding cold water. Clothes are tumbled to expose more surface, squeezed by spinning to remove dirt inside the fabric.
- ❑ IF CLOTHES ARE NOT VERY DIRTY, THE WASH CYCLE CAN BE STARTED BY DIRECTLY SETTING THE PROGRAMME SELECTOR KNOB AT POINT B, OR C TO REDUCE WASHING TIME.

STAGE II : Rinse - D

- ❑ After washing, the rinsing is done automatically four times to remove traces of detergent and dirt from clothes.
- ❑ For most efficient rinsing, two intermittent shorts spin are provided.

STAGE III : Spin Drying : E

- ❑ Spin drying takes place at 600 rpm.

2. Easy Care Programme : G to K

To be used for easycare fabrics like polyester blends or predominantly having such fabric in mixed load.

STAGE I : Main Wash : G/H

- Clothes are soaked, tumbled in hot water with detergent for lesser duration than main wash of Normal wash programme before draining of dirty water, it is cooled down by adding cold water. Clothes are tumbled to expose more surface, squeezed by spinning to remove dirt from the fabric.

STAGE II : Rinse : J

- After washing the rinsing is done automatically three times to remove traces of detergent and dirt from clothes.

STAGE III : Spin Drying : K

- Spin drying takes place at 600 r.p.m.

Exclusive spin drying programmes : E & K

- Can be used for spin drying hand washed/wet clothes.
- Turn programme selector knob directly to the spin drying points after loading the clothes.
- Switch ON the machine.

Note:

IN CASE ELECTRICITY/WATER SUPPLY GOES OFF,THE MACHINE STOPS AND STARTS AGAIN FROM THE SAME POINT, AUTOMATICALLY, ON RESUMPTION OF ELECTRICITY/WATER SUPPLY.

PROGRAMME SELECTION CHART

Refer detailed Programme Chart given below showing 10 fully automatic wash programmes.

CAPACITY	PROGRAMME	PROGRAMME SELECTION	DETERGENT IN TRAY	TYPE OF WASHING (Please note wash care labels on garments)	COMPLETE CYCLE TIME (MINUTES)	MIN.WATER CONSUMPTION (LITRES)
COTTON 5 KG MAX	1. Whites	A	Yes	Very soiled cotton, or boil - proof linen	115	55
	2. Baby Washing	B	Yes	Normally soiled, non boil - proof baby washing	95	55
	3. Coloureds	C	Yes	Cotton fabrics or linen which are colour fast, non boil - proof (2.5 Kg Max.)	75	55
	4. Rinse	D	-	Most efficient rinsing with two intermittent spins	40	45
	5. Cotton Spin	E	-	Pumping out water and spinning for cottons	10	Nil
	6. Easy Care	G	Yes	Easy care fabrics of cotton, polyester or polyester blends, very soiled.	60	45
	7. Easy Care	H	Yes	Easy care fabrics of polyester or polyester blends, normally soiled. (2.5 Kg Max.)	50	45
	8. Curtains	G	Yes	Synthetic curtains normally soiled	60	45
	9. Rinse	J	-	Gentle rinsing without intermittent spin	25	35
	10. Easy Care Spin	K	-	Pumping out water and short spinning for delicate washing	10	Nil

Note:

Cycle time does not include water filling time.

Water consumption does not include the quantity of water taken during cool down time and additional water filling time.

The above values are under standard test conditions.

OPERATION

SORTING OF GARMENTS

- ❑ Machine to be used for machine washable fabrics only (Look for wash symbols given on your garments.)
- ❑ Non-fast coloured should be washed with like colours only. Wash whites separately from colours.
- ❑ Check the pockets for any loose articles like coins, keys, keychain etc. Remove these articles as these can damage the drum/tub.
- ❑ Do not mix clothes that give lint with clothes that attract lint (e.g. lint givers-woollens, socks, coarse cotton fabrics etc. Lint takers - synthetic fibres and corduroys).

LOADING THE MACHINE

- ❑ Open the front porthole door, place garments loosely inside drum. For best results load garments one by one, preferably mix of large and small clothes.
- ❑ Turn knitted garments inside out, remove loose hooks, rings and pins found on curtains etc.
Or
Tie a knot around them with the garments itself.
- ❑ **Close door and press till you hear a click. Ensure that no cloth is jammed between door and rubber gasket of frame.**
- ❑ For large garments like bed covers and curtains etc. open out the garments and hold from the centre to load.
- ❑ Ensure that volume of load allows the clothes to tumble freely in the drum for best wash results.
- ❑ Over-loading the drum will affect wash quality. It can also damage the machine and clothes in the long run.
- ❑ Running the machine underloaded may cause excessive vibration, noise and damage.



DETERGENT TO BE USED AND QUANTITY

- ❑ The best results will be achieved using correct amount of washing machine detergent .
- ❑ Approximate quantities to be used:
 - Full load i.e. 5 kgs Detergents to be used as per direction indicated by the manufacturer on their package.
 - Half Load
i.e. 2.5 kg and below Use 20 to 25% less detergent
- ❑ Liquid detergents can be used.
- ❑ Hard water and heavily soiled clothes require more than the recommended quantity of detergents.
- ❑ Frequent use of insufficient detergent will be noticeable as follows:
 - Washing appears grey or not properly clean
 - Grey - brown stains form on the washing
- ❑ Excess use of detergent will result in
 - Higher environment pollution
 - Generation of too much foam
 - Scale builds up

TREATMENT OF STAINS

- ❑ Stains need to be treated immediately when they are fresh. Usually stains are categorised as absorbed stains, built-up stains, and compound stains.
- ❑ Absorbed stains can be removed by rubbing gently a pad containing a suitable solvent over the stain from outer edge towards centre by keeping stained cloth on absorbent fabric.
- ❑ Built up and compound stains may be removed by first carefully brushing off stained area. Then rub gently with a pad containing solvent from the back of fabric.
- ❑ It is advisable to try out the solvent on hidden part of the garment to verify its effect on cloth.

WASH LOAD GUIDE

Sheets Cotton	(D) (S)	1Kg 500gms	Pajama/ Kurtas Shirts Cotton Others	400gms 280gms 200 gms	Bedspread Blankets Wool acrylic	3kgs 2.0Kg 1.5 kg
Other than Cotton	(D) (S)	650gms 400gms	Blouses: cotton others	140gms 100gms	Sweaters(Wool) other heavy weight light weight	400gms 300gms 150gms
Pillow slips: Cotton others		110gms 85gms	Sarees: Cotton Synthetics	650gms 350 gms	Cotton Vests Underslips	100gms 100 gms
Bath towels Hand towels		600 gms 260 gms	Panties Socks: long (2pairs) short (2pairs)	60 gms 150 gms 85 gms	Skirts Trousers Jeans	200 gms 250 gms 400 gms
Tablecloths: Small Large		230 gms 600 gms	Hankies (6) Napkins (1doz)	85 gms 1.1 kgs		
Table Napkins	(4)	150 gms	Lungi/Dhoti	200 gms		

D = Double S = Single

- The chart indicates the average weight of clothes.
- The recommended weight of your wash should not be exceeded to ensure that your machine gives your clothes an effective wash.

INTERNATIONAL WASHING SYMBOLS

Washing Symbol	Wash Temp Max° C	Action
	95, 60, 40	normal
	30	gentle
	Do not machine wash	hand wash
	Do not wash in water	

IRONING

The number of dots indicate the maximum recommended temperature.



Max 200° C, 150° C, 110° C
Non - iron

DRY CLEANING

A circle symbolizes dry cleaning.

-  articles normal for dry cleaning in all solvents.
-  articles normal for dry cleaning in perchloroethylene, white spirit, Solvent 113 and Solvent 11
-  article normal for dry cleaning in fluorocarbon 113 or white spirit.
-  do not dry clean.

BLEACHING

A triangle symbolizes bleaching

-  bleaching
-  do not bleach

DRYING

A rectangle symbolizes drying

-  suitable for tumble-drying
-  do not tumble-dry

PROGRAMME RUN

Note :

- During the programme run the knob turns automatically in the clockwise direction only.
- Washing, rinsing and spinning can be seen through the porthole window.
- At any moment the position of the knob with respect to its start position shows how far the programme has advanced.
- The starting point is just beyond the thick line on the knob.

SWITCHING OFF THE MACHINE

- The wash ends automatically at the end of each programme at the thick line on the knob
- To switch the machine OFF push in the programme selector knob
- Porthole door can be opened only after 90 seconds
- Remove clothes from Inside the machine
- Leave door slightly ajar to dry out the inside of the machine.

CHECK POINTS

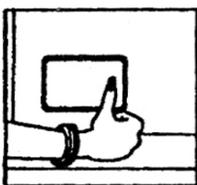
Before switching your machine 'ON' check...

- The machine is connected to a 220V, 50Hz supply with proper earthing.
- The water inlet stopcock is fully open.
- The hoses are not bent or twisted
- Dry clothes are loaded into the machine drum, and door is closed firmly with a click
- The required amount of detergent is filled in the detergent dispenser tray.
- After completing the above check points the machine should be switched ON by gently pulling out the programme selector knob.
- The programme Selector knob is turned to the appropriate position in a clockwise direction only.
- The Fluff Filter/Drain Hose is not open.

MAINTENANCE

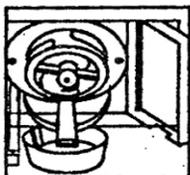
FLUFF FILTER

1



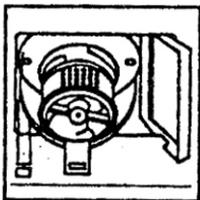
Open door flap by pressing on the right hand edge and pull out the plastic tray.

2



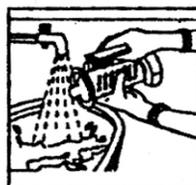
Place shallow container under the tray to collect water that comes out.

3



Turn Fluff Filter cover anti-clockwise, drain water into container and take out filter

4



Clean filter under running water

5



Replace filter and screw on tightly to avoid leakage of water

ENSURE THAT THE FLUFF FILTER IS NOT BLOCKED, CLEAN WEEKLY OR AS OFTEN AS REQUIRED.

BEFORE USING MACHINE AGAIN, RUN THE MACHINE WITHOUT CLOTHES AND DETERGENT BY SELECTING ANY SHORT WASH PROGRAMME. THIS WILL ENSURE THAT THE FLUFF FILTER LINE GETS FILLED WITH WATER.

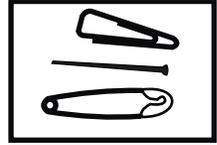
ALTERNATIVELY POUR TWO MUGS OF WATER (APPROX. 1.5 LTRS.) DIRECTLY INTO THE DRUM.

DO NOT OPEN THE FLUFF FILTER DURING A PROGRAMME RUN.

DRUM

Rust Stains

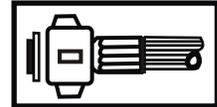
Never leave metal items e.g. paper clips, pins etc. in the drum as there is a danger of rusting. If there are any rust stains remove with a non-chlorine agent. Special non-metal sponges (never use steel wool) may also be used



SIEVES

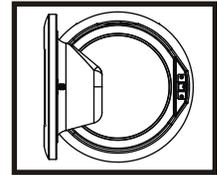
Cleaning of Water connection Sieves, filter

1. Turn off Taps. Disconnect Power supply to the machine. Unscrew inlet hose from machine as well from the tap and drain out water from the hose.
2. Pull the sieve out of the magnetic valve with a pair of flat nosed plier and clean under running water with a brush. Fit Sieve back to the Valve.
3. Remove the filter mesh from the tap end of the inlet hose and clean under running water with a brush.
4. Fit the filter mesh back to inlet hose.
5. Screw inlet hose back to the machine and the tap. Ensure that both the sieves and the filter are in place.
6. Turn on the tap.



Cleaning of Porthole Door Area:

- After every wash clean vapour off porthole door.
- Lift the fold in the rubber gasket under porthole periodically to remove lint and dirt preferably after every wash.



FROST PROTECTION

If the machine is being operated in very cold temperature, all the water should be drained out after use.

- Remove Fluff Filter.
- Locate the drain hose and drain the water.
- Disconnect inlet hose from the tap and drain.

DRAINING DURING EMERGENCIES

Incase of a long power failure during a programme run, the water can be drained from the drum through the drain hose

- Allow the water in the machine to cool down sufficiently.
- Locate the drain hose and pull out the drain hose to drain water in a large shallow container.
- Before restarting machine, ensure that drain plug is fixed on drainhose properly and fluff filter water line is filled with water by running the machine without any clothes or detergents.
- Spillage of water can rust the base plate. Draining through drain hose prevents rusting.

FAULT DIAGNOSIS

WHY DOES IT HAPPEN ?

WATER DOES NOT ENTER MACHINE/DETERGENT NOT BEING FLUSHED INTO DRUM.

- Check water supply
- Porthole door not firmly closed
- Water tap not turned on
- Bent inlet hose
- Sieve on inlet valve clogged

SUDS ESCAPING FROM DETERGENT DISPENSER TRAY.

- Detergent used is not a washing machine detergent
- Excessive detergent used

WATER LEAKAGE FROM THE MACHINE.

- Inlet / Outlet hose connection loose
- Fluff Filter not screwed on properly
- Inlet hose leaking
- Drain plug not fixed properly onto Drain hose.

MACHINE DOES NOT DRAIN.

- Fluff Filter clogged
- Outlet hose end above 1 meter from floor level

MACHINE VIBRATES STRONGLY DURING SPINNING.

- Machine not levelled properly
- Clothes not loaded as instructed
- water not drained completely

MACHINE DOES NOT START.

- Check position of programme selector knob
- Check water supply
- Porthole door not closed properly

MOTOR NOISE.

- It is normal for noises to be heard while motor is running. However wash load, belt tension and motor mounting bolt should be checked for specified limits.

PUMP NOISE.

- It is normal for noises to be heard from the pump during the start-up and final stage of draining. However check for fluff filter clogging.

SAFETY PRECAUTIONS

1. Ensure that the machine is properly balanced on four adjustable feet.
2. Ensure that the machine is connected to 3 pin socket with earth and 16 amps fuse.
3. The machine is tested with water during assembly for performance checking. Condensed droplets of water may remain inside the drum. It is advisable to run the machine without wash load at 50°C with detergent for the first time after installation.
4. The programme knob should be turned clockwise only.
5. Programme selection must be done prior to switching on the machine. For resetting of programme, switch off the machine, select the programme and re-start. Do not operate the machine beyond the printed zone.
6. Servicing should be handled by the Company's authorized personnel only.
7. Check for the end of the programme before opening porthole door. The door can be opened about 90 seconds after the wash cycle is over or machine is switched off. This is a safety feature. The door should not be forced open.
8. Check label on garments for determining conditions under which fabrics are to be washed.
9. Use detergent recommended for washing machine.
10. Ensure that the electrical line on which the machine is used can take the required load.
11. Check the inside of drum before loading the clothes.
12. Protect the machine from direct sunlight and do not splash water on it. Clean with a damp cloth.
13. Keep your machine dry to avoid corrosion / rusting. Take special care to wipe the machine after cleaning fluff filter.
14. The machine should ideally be installed on the floor, it can be installed on any suitable platform or trolley, if desired by the customer.
15. Clean the shell lower and detergent tray periodically by taking out the detergent tray.
16. In case of plastic tabletop do not use the tabletop as an ironing board or for placing heavy items.

TECHNICAL DATA

Dimensions (D x W x H)	:	55cm x 60 cm x 85 cm
Weight	:	58.5 kgs
Capacity	:	5 kgs of dry clothes (cotton)*
Programmes	:	10 wash care programmes
Motor Rating	:	690 W (max)
Spin speed	:	600 rpm
Heater rating	:	1.55 kw
Drum	:	Stainless Steel
Wash Temperature	:	50°C (Hot Wash)
Drain Pump rating	:	30W
Water Consumption	:	55 litres for Standard wash
Power Consumption	:	0.8 - 1.0 units for hot wash at 50°C
Connected Load	:	2.0 kw Max.
Programme Duration	:	10 to 115 mins
Power Supply	:	220 - 240V, single phase, 50 Hz
Water Pressure	:	1 bar (1.03 kg/cm ²) - 10 bar (10.3 kg/cm ²)

Specifications are subject to change without prior notice:

* Capacity depends on size, texture and combination of clothes.

Depending on water pressure, Water hardness, Water inlet Temperature, Quantity and type of Textile, Detergents used, Degree of soiling, Ambient conditions, selected additional functions & power supply fluctuations the actual values given on or with the machine can deviate from the declared standard values, as they are tested according to the laboratory conditions

DATE OF PURCHASE:

I OWN THE FOLLOWING PRODUCTS: (Please tick in the box)

- | | | |
|--------------------------------------|---|--|
| <input type="checkbox"/> COLOUR TV | <input type="checkbox"/> REFRIGERATOR | <input type="checkbox"/> AIR CONDITIONER |
| <input type="checkbox"/> DISH WASHER | <input type="checkbox"/> MICROWAVE OVEN | <input type="checkbox"/> CLOTHES DRYER |

FRANCHISEE ATTACHED:

CUSTOMER COPY

MODEL : DIVA SERIAL NO. WT DIV B _____

DEALER'S NAME : _____

CUSTOMER'S NAME : _____

ADDRESS : _____

PIN CODE : _____

TEL. NO. (Resi.) _____ (Off.) _____

E-MAIL : _____

MOTOR SR. NO. : _____

DATE OF PURCHASE : _____

SERVICE STATION COPY

MODEL : DIVA SERIAL NO. WT DIV B _____

DEALER'S NAME : _____

CUSTOMER'S NAME : _____

ADDRESS : _____

PIN CODE : _____

TEL. NO. (Resi.) _____ (Off.) _____

E-MAIL : _____

MOTOR SR. NO. : _____

DATE OF PURCHASE : _____

ALSO FROM IFB



MICROWAVE OVEN
CAPACITY - 17 to 30 LITERS



CLOTHES DRYER
CAPACITY - 5.5KG



DISHWASHER
CAPACITY - 12 PLACE SETTING

IFB

Customer Care

Dial

1901 425 5678 - BSNL & MTNL Callers

3900 4321 - Other Callers