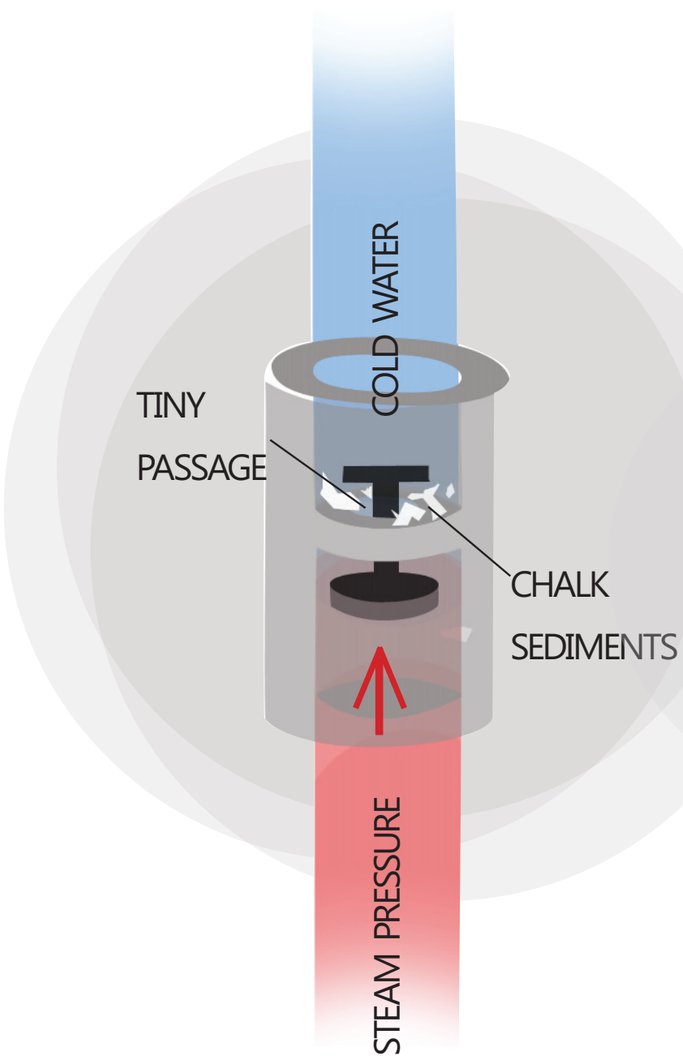
WHY DO SO MANY COFFEEMACHINES BREAK SOON AFTER BUYING ?

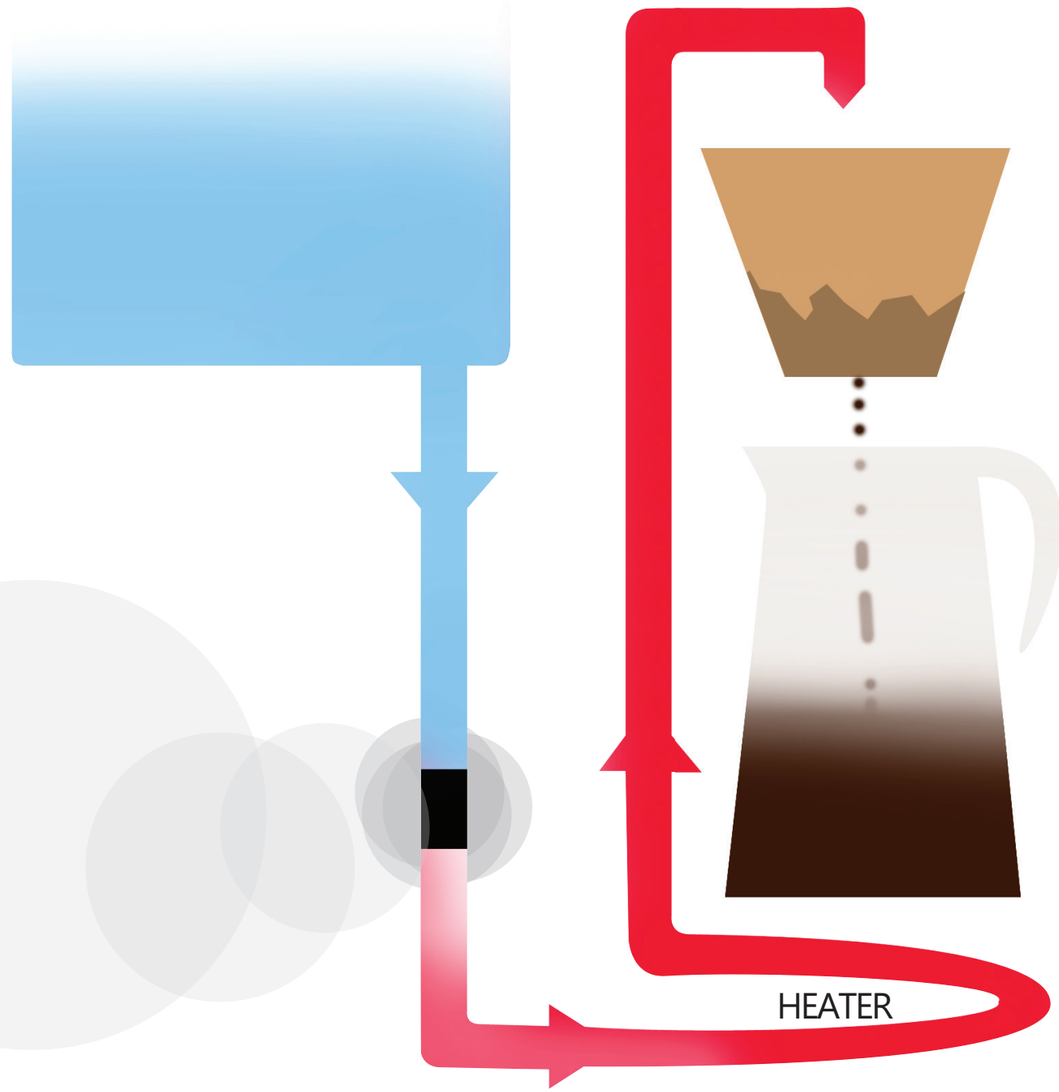
THE UNDERLYING PRINCIPLE OF COMMON COFFEE-MACHINES WORKS WITH A **PRESSURE VALVE**, WHICH IS HIDDEN IN THE VERY INSIDE OF THE MACHINE. THEREFORE IT TAKES A LONG TIME TO FIND IT WHEN BROKEN WHICH ENDS UP IN HIGH REPAIR COSTS.

THE RESULT: IT WON'T BE REPAIRED, BUT REPLACED.

THE PRESSURE VALVE



WATERFLOW
IN A COMMON COFFEEMACHINE:



RONJA OPHELIA HASSELBACH

I DESIGNED A COFFEEMACHINE WITHOUT ANY HIDDEN VALVE, WHICH MAKES THE PROCESS OF COFFEEMAKING TRANSPARENT WITH MANY PRESSED GLASS PARTS. IT USES STEAM PRESSURE TO PRESS THE BOILING WATER THROUGH A SMALL GLASS PIPE ONTO THE COFFEEFILTER THOUGH INTO THE COFFEE POT.
(SEE ANIMATION)

RONJA OPHELIA HASSELBACH

COFFEE POT AND WATER JUG WITH COVERS

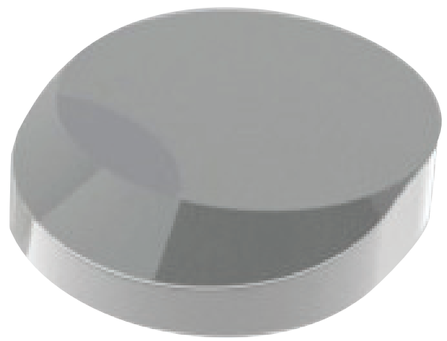
THE WATER JUG WITH SCREWED ON BOTTOM, COVER AND GLASS PIPE

THE TINY INDUCTION STOVE IS EASILY TO REPAIR, BECAUSE OF ITS REMOVABLE BOTTOM COVER

THE **PRESSED GLASS** PARTS
ARE REPLACEABLE BY THE USER
HIMSELF

COVERS MADE
FROM BIODEGRADABLE PLASTIC

SCREWABLE STAINLESS **STEEL**
BOTTOM FOR WATER JUG, MAKES
INDUCTION COOKING POSSIBLE



THE TINY **INDUCTION STOVE** IS
EASILY REPAIRABLE BECAUSE OF
THE COMPLETLY REMOVABLE
BOTTOM

RONJA OPHELIA HASSELBACH
INDUSTRIAL DESIGN
5TH SEMESTER
FOLKWANG UNIVERSITIY OF THE ARTS
ESSEN, GERMANY