

**GENERAL AGREEMENT
ON TARIFFS AND TRADE**

**RESTRICTED
TBT/Notif.94.370
5 October 1994
Special Distribution**

(94-2004)

Committee on Technical Barriers to Trade

NOTIFICATION

The following notification is being circulated in accordance with Article 10.4.

1.	Party to Agreement notifying: <u>SWITZERLAND</u>												
2.	Agency responsible: Federal Office of Energy												
3.	Notified under Article 2.5.2 [X], 2.6.1 [], 7.3.2 [], 7.4.1 [], other:												
4.	Products covered (HS or CCCN where applicable, otherwise national tariff heading. ICS numbers may be provided in addition, where applicable): Rotodynamic pumps - circulation pumps for heating installations and domestic hot water installations, cooling- and heat-recovery systems. Circulation pumps designed for fluids charged with solids are not required to fulfil the efficiency target values.												
5.	Title and number of pages of the notified document: Annex 14 to the Regulation Concerning an Economical and Rational Energy Use												
6.	<p>Description of content: To increase the energy efficiency of circulation pumps, target values Z in per cents are applied as follows: for pumps in dry rotor construction target values are given for the pump efficiency in the best point; for pumps in wet rotor construction target values are given for the overall efficiency in the best point. Q_G is the rate of flow in cubic meters per second, P_U is the value of pump power output in watts and log is the logarithm to the basis 10. By the best point is the pump's working point with the maximal efficiency understood. Target values are not equal to standards. They indicate the efficiency that should be reached by the end of 1997. Target values do not restrict the trade of appliances sold within Switzerland.</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Efficiency target value Z</th> <th></th> </tr> </thead> <tbody> <tr> <td>Pumps in dry rotor construction</td> <td>$Z = 100 \cdot (0,955 - (13200 \cdot Q_G)^{-0,32})$</td> <td>[%]</td> </tr> <tr> <td>Pumps in wet rotor construction</td> <td>$Z = 7,48 \cdot (\log P_U + 0,5)^2 - 0,08 \cdot \log P_U - 0,04$</td> <td>[%]</td> </tr> <tr> <td>Pumps in wet rotor construction with P_U between 3,16 [W] and 2 [kW]</td> <td>$Z = 14,88 \cdot \log P_U - 0,04$</td> <td>[%]</td> </tr> </tbody> </table>	Category	Efficiency target value Z		Pumps in dry rotor construction	$Z = 100 \cdot (0,955 - (13200 \cdot Q_G)^{-0,32})$	[%]	Pumps in wet rotor construction	$Z = 7,48 \cdot (\log P_U + 0,5)^2 - 0,08 \cdot \log P_U - 0,04$	[%]	Pumps in wet rotor construction with P_U between 3,16 [W] and 2 [kW]	$Z = 14,88 \cdot \log P_U - 0,04$	[%]
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7.	Objective and rationale: Economical and rational use of energy. Target values are an essential part of the Swiss Programme "Energy2000" which aims, <i>inter alia</i> , at a stabilization of the electric energy consumption by the year 2000.
8.	Relevant documents: The efficiency is measured according to the standards given in the Swiss departmental regulation.
9.	Proposed date of adoption and entry into force: 1 June 1995
10.	Final date for comments: 29 November 1994
11.	Texts available from: National enquiry point [X] or address and telefax number of other body: