

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 450

**AIRCRAFT CONNECTION
FOR WATER OF DRINKABLE QUALITY**

1st EDITION

November 1965

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BRIEF HISTORY

The ISO Recommendation R 450, *Aircraft Connection for Water of Drinkable Quality*, was drawn up by Technical Committee ISO/TC 30, *Aircraft*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question by the Technical Committee began in 1955 and led, in 1958, to the adoption of a Draft ISO Recommendation.

In October 1960, this Draft ISO Recommendation (No. 410) was circulated to all the ISO Member Bodies for enquiry. It was approved by the following Member Bodies:

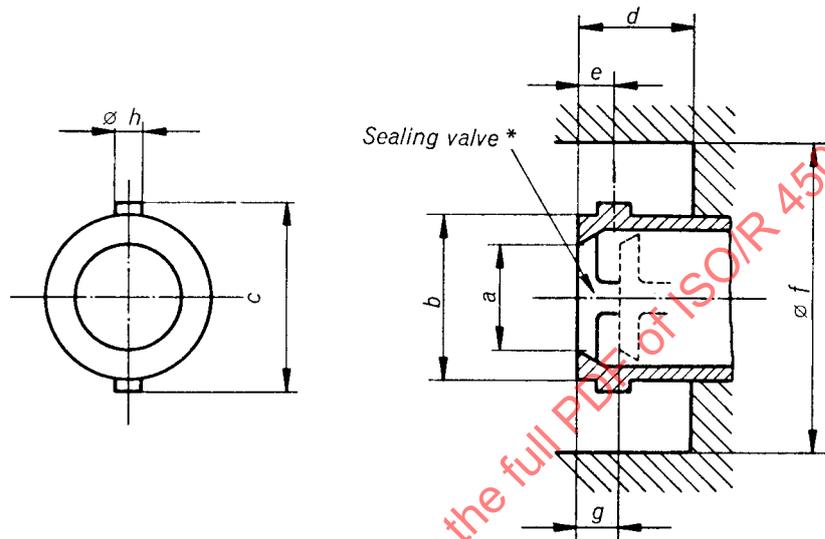
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Germany	Poland	Yugoslavia

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in November 1965, to accept it as an ISO RECOMMENDATION.

AIRCRAFT CONNECTION FOR WATER OF DRINKABLE QUALITY

The dimensions and tolerances for connections on aircraft for the reception of supplies of water of drinkable quality should be as shown in the figure and the table below:



* Provision of a sealing valve is optional and ground equipment should be designed to operate when coupled to an aircraft coupling with or without a sealing valve.

Dimension	inches	millimetres
a	0.873 max. 0.871 min.	22.17 max. 22.12 min.
b	1.320 max. 1.316 min.	33.53 max. 33.43 min.
c ⁽¹⁾	1.5 ± 0.01	38.1 ± 0.25
d	0.89 min.	22.6 min.
e	0.28 ± 0.01	7.11 ± 0.25
f ⁽²⁾	3.5 min	90 min.
g ⁽³⁾	0.31 min.	8 min.
h ⁽⁴⁾	0.25 ± 0.01	6.35 ± 0.25

- (¹) Over pins.
 (²) Minimum clearance.
 (³) Minimum valve travel.
 (⁴) Two pins diametrically opposite.

