

Threaded BS21 (ISO 7)

ΕΞΑΡΤΗΜΑΤΑ ΜΕΤΡΗΣΗΣ ΠΑΡΟΧΗΣ

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**Specification**

**D901 & D902** flow measurement devices have square edged entrance orifice plates with tappings for P84 insertion style test points. Flow measurement accuracy of  $\pm 3\%$ .

**D901 - Sizes  $\frac{3}{4}$ " to 2"**

Inlet - BS21 (ISO 7) taper female

Outlet - BS21 (ISO 7) taper male

**D901/D902 - Sizes  $\frac{1}{2}$ " DN15**

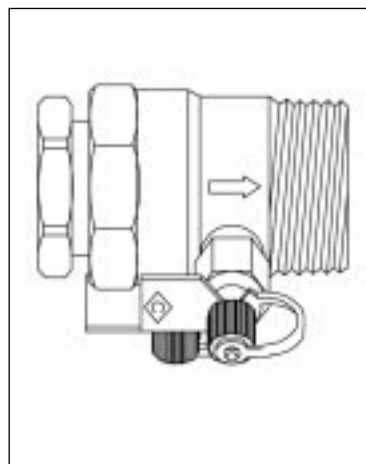
Inlet - BS 2779 (ISO 228) parallel female supplied with compression adaptor to suit 15mm BS EN 1057 copper tube.

Outlet - BS 21 (ISO 7) taper male discard adaptor if connecting steel pipe.

**Application**

**D901** flow measurement devices are suitable for systems where pipes have been sized on the basis that pipe frictional losses lie in the range 100 to 400 Pa/m.

**D902** flow measurement device ( $\frac{1}{2}$  /DN15 size only) is suitable for the measurement of ultra low flows in the range 0.015 to 0.06 l/s e.g. flows to fan coil units.

**Pressure Temperature Ratings**

Temperature °C	-10 to 100	110	120
Pressure (Bar)	25	23.4	21.8

Maximum temperature 120°C

**Note:** In line with BS EN 1254/2 the maximum pressure must not exceed 16 bar when using compression adaptors.

**Dimensions, Coefficient and Weights**

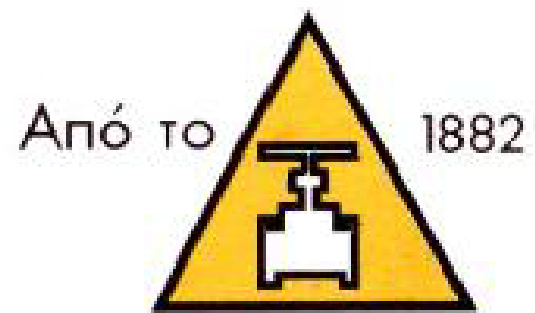
Cat. No.	Nom. Size		End to end Amm A'mm		Cen-to-top Bmm	Flow Kv	Head loss K	Weight Kg
D901	$\frac{1}{2}$	DN15	57	66	55	2.8	13.5	0.29
	$\frac{3}{4}$	DN20	58	-	61	6.1	9.1	0.30
	1	DN25	66	-	65	11.9	6.1	0.40
	$1\frac{1}{4}$	DN32	72	-	71	23.4	4.8	0.50
	$1\frac{1}{2}$	DN40	72	-	73	36.2	3.7	0.54
	2	DN50	82	-	79	71.6	2.4	0.77
D902	$\frac{1}{2}$	DN15	57	66	55	0.57	333	0.29



ΧΡΥΣΑΦΙΔΗΣ Α.Ε.

**Materials**

Part	Material	Specification
Body and Integral orifice	DZR copper alloy	BSEN12164 CW602N
P84 Pressure test valve	DZR copper alloy	BSEN12164 CW602N



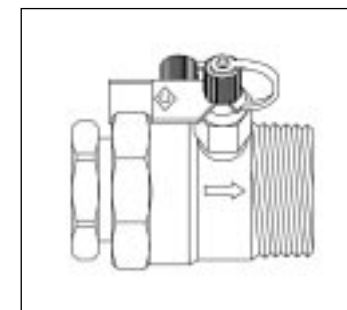
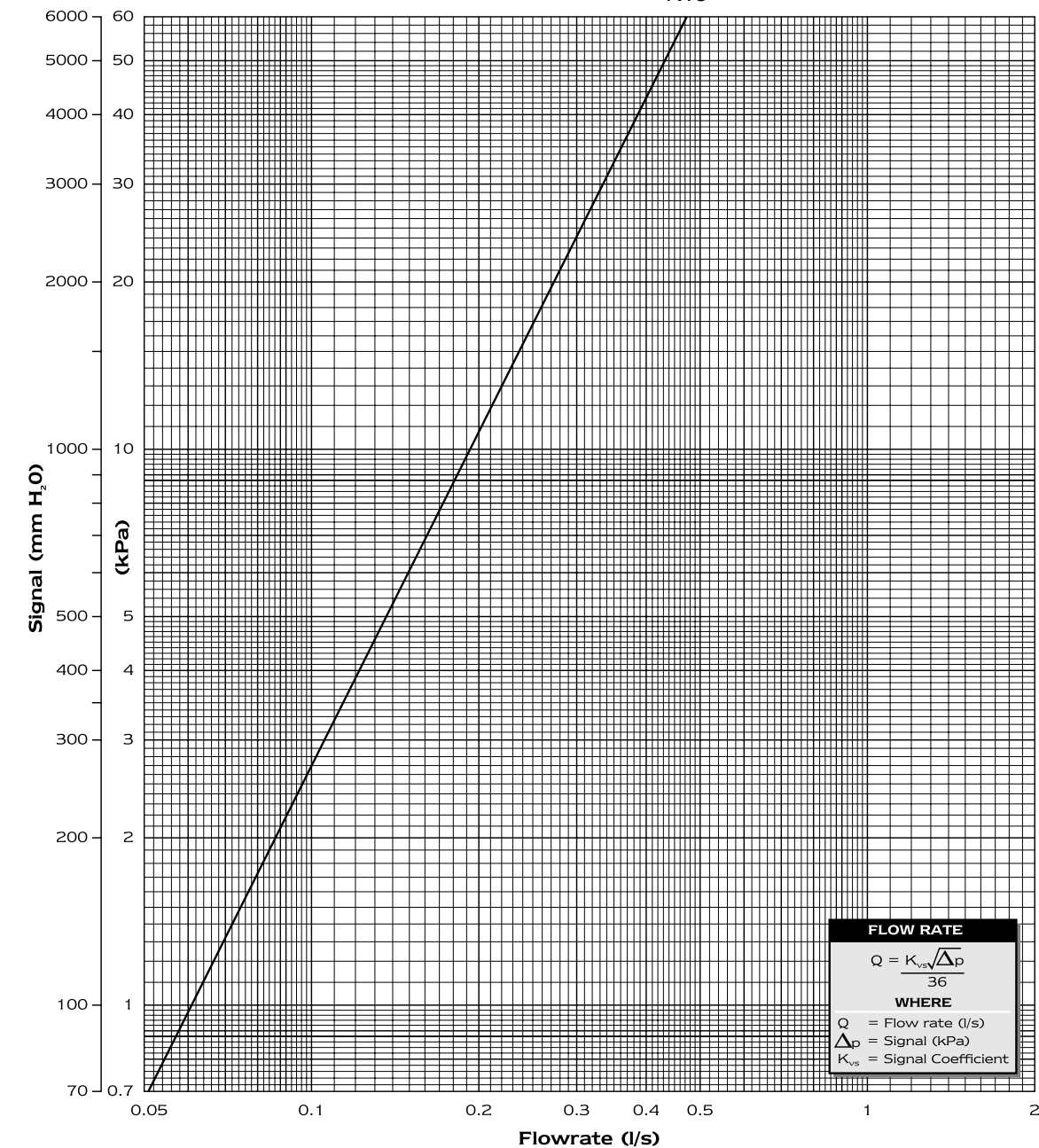
ΧΡΥΣΑΦΙΔΗΣ Α.Ε.

Size 1/2 (DN15) D901

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Fixed orifice devices for standard applications

$K_{vs} = 2.2$



D901

#### Head / Pressure Loss

The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

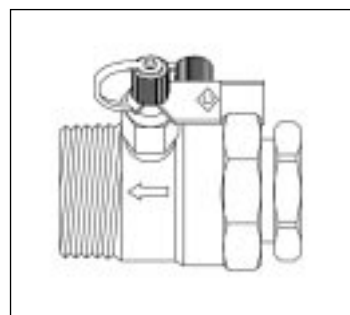
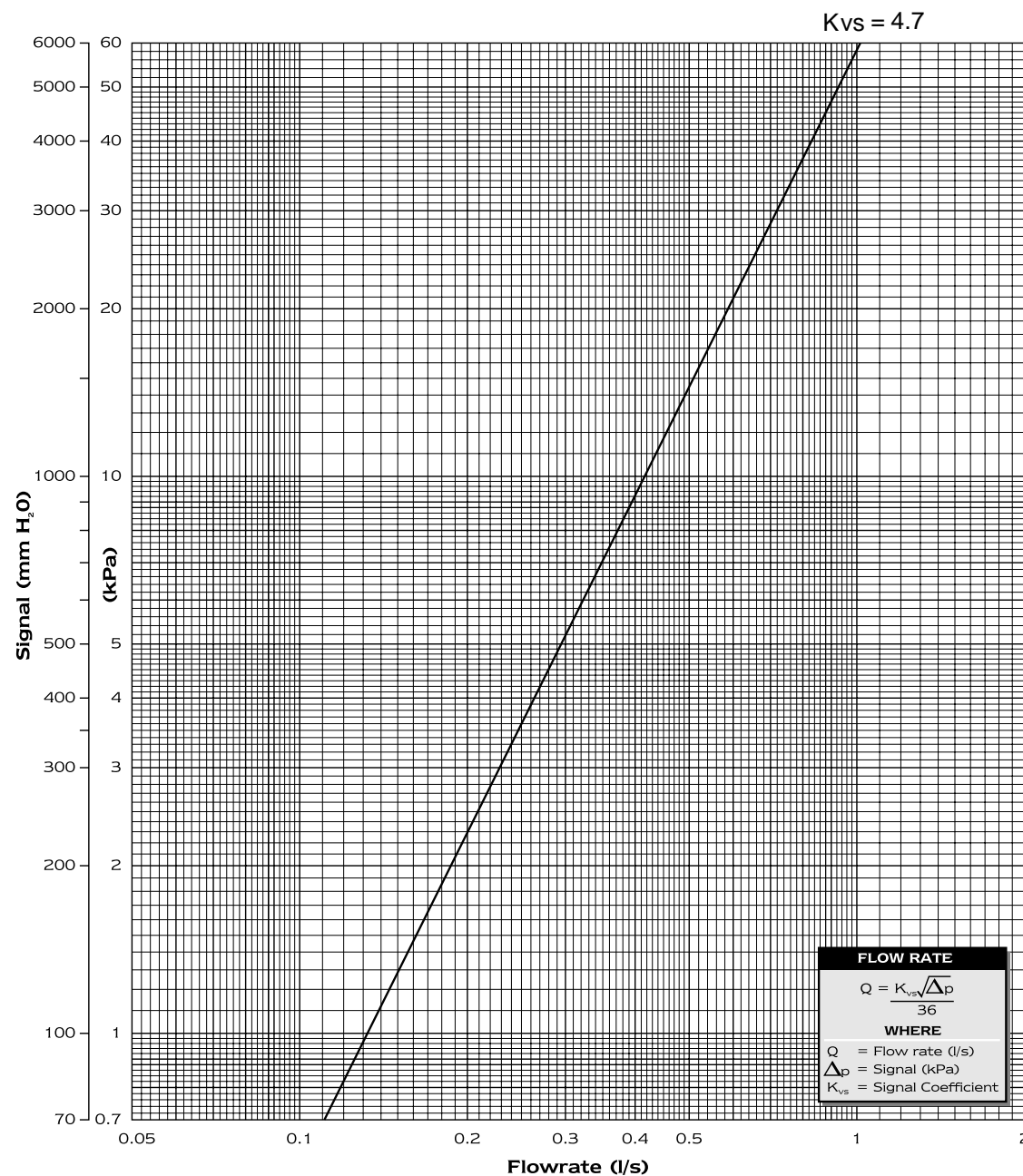
**Fig No.**  
D901

**Factor**  
0.62

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Size  $\frac{3}{4}$  (DN20) D901

Fixed orifice devices for standard applications



D901

## Head / Pressure Loss

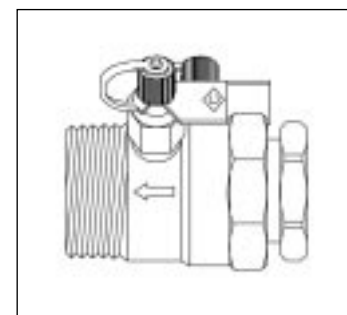
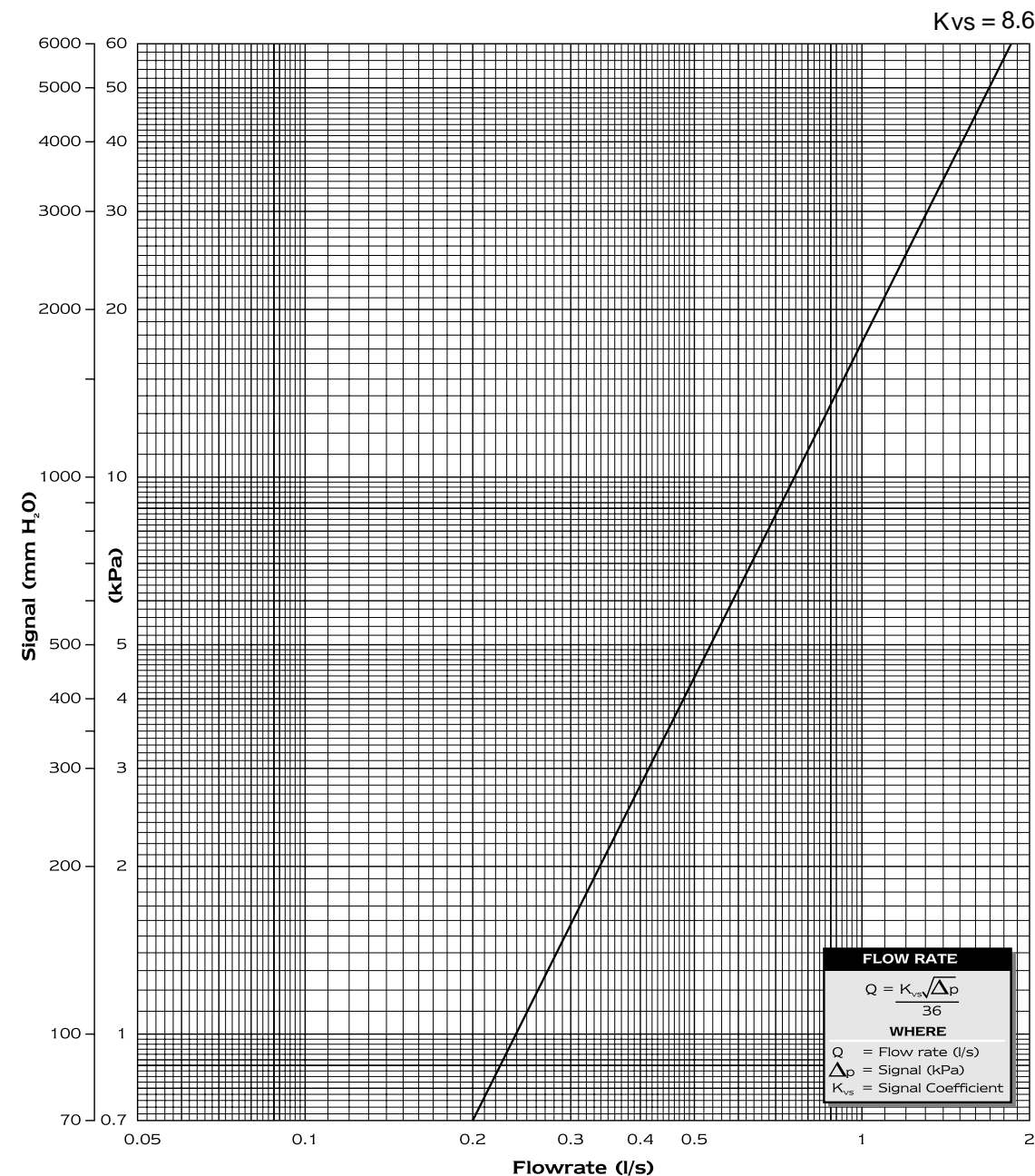
The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

Fig No.	Factor
D901	0.59

## Size 1 (DN25) D901

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Fixed orifice devices for standard applications



D901

## Head / Pressure Loss

The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

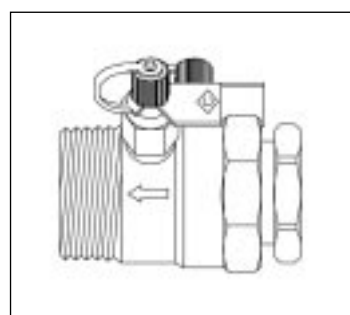
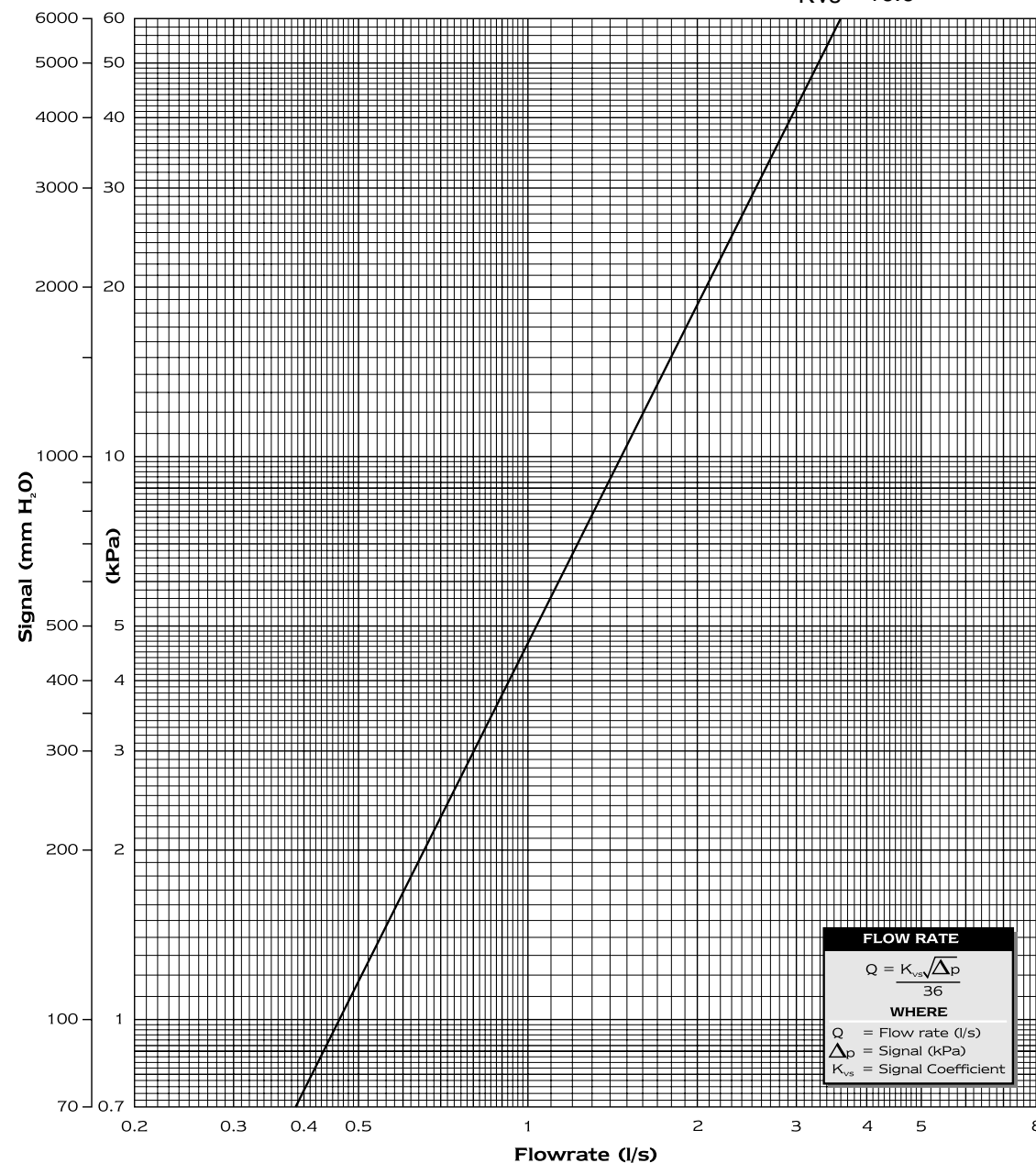
Fig No.	Factor
D901	0.52



## Size 1 1/4 (DN32) D901

Fixed orifice devices for standard applications

Kvs = 16.6



D901

## Head / Pressure Loss

The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

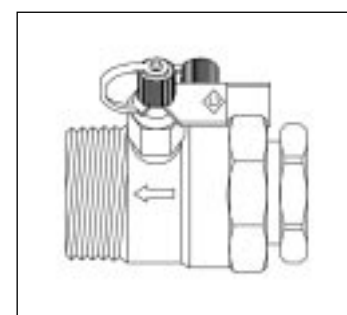
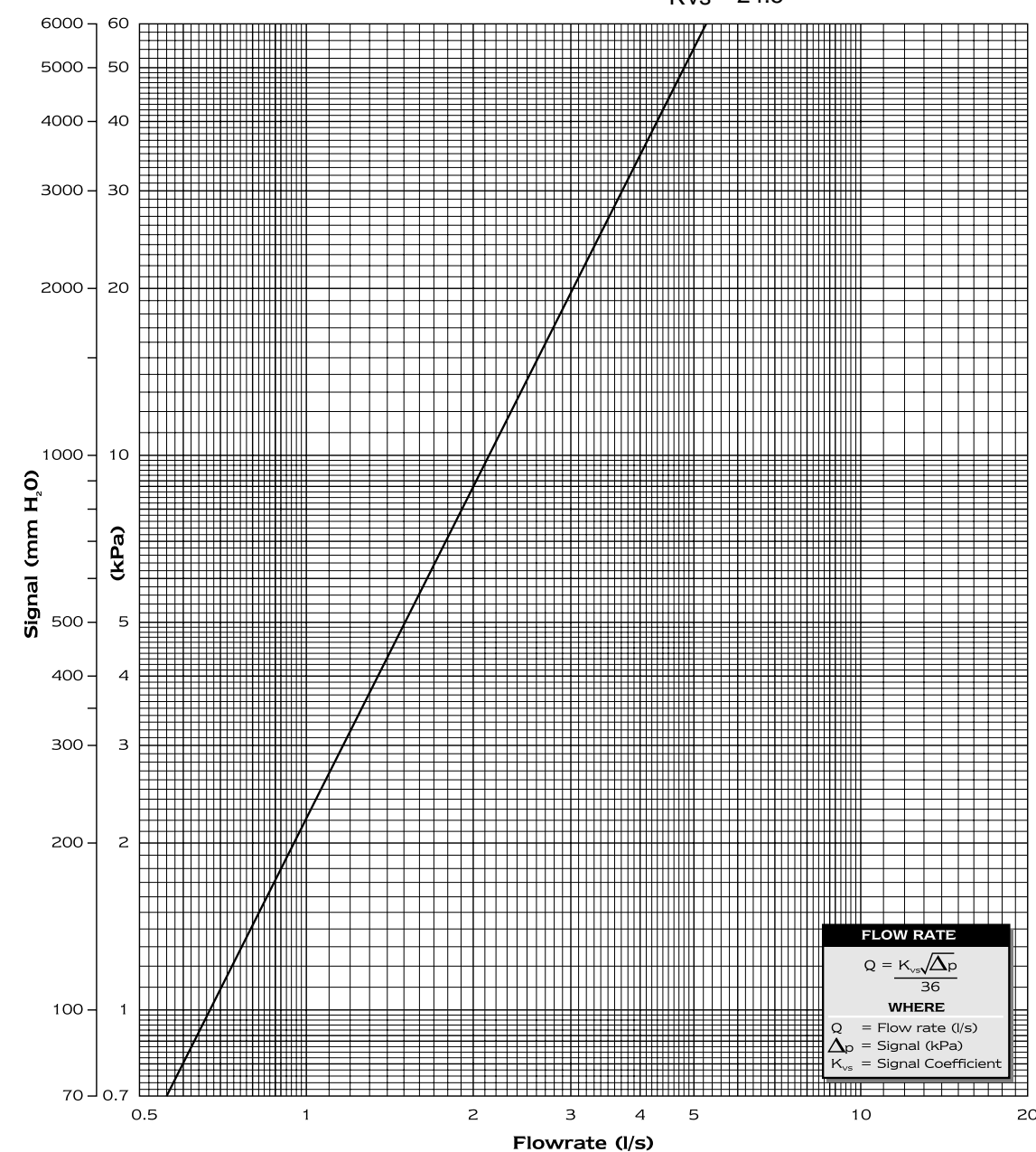
Fig No.	Factor
D901	0.50

## Size 1 1/2 (DN40) D901

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Fixed orifice devices for standard applications

Kvs = 24.5



D901

## Head / Pressure Loss

The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

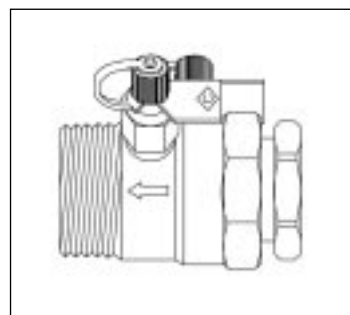
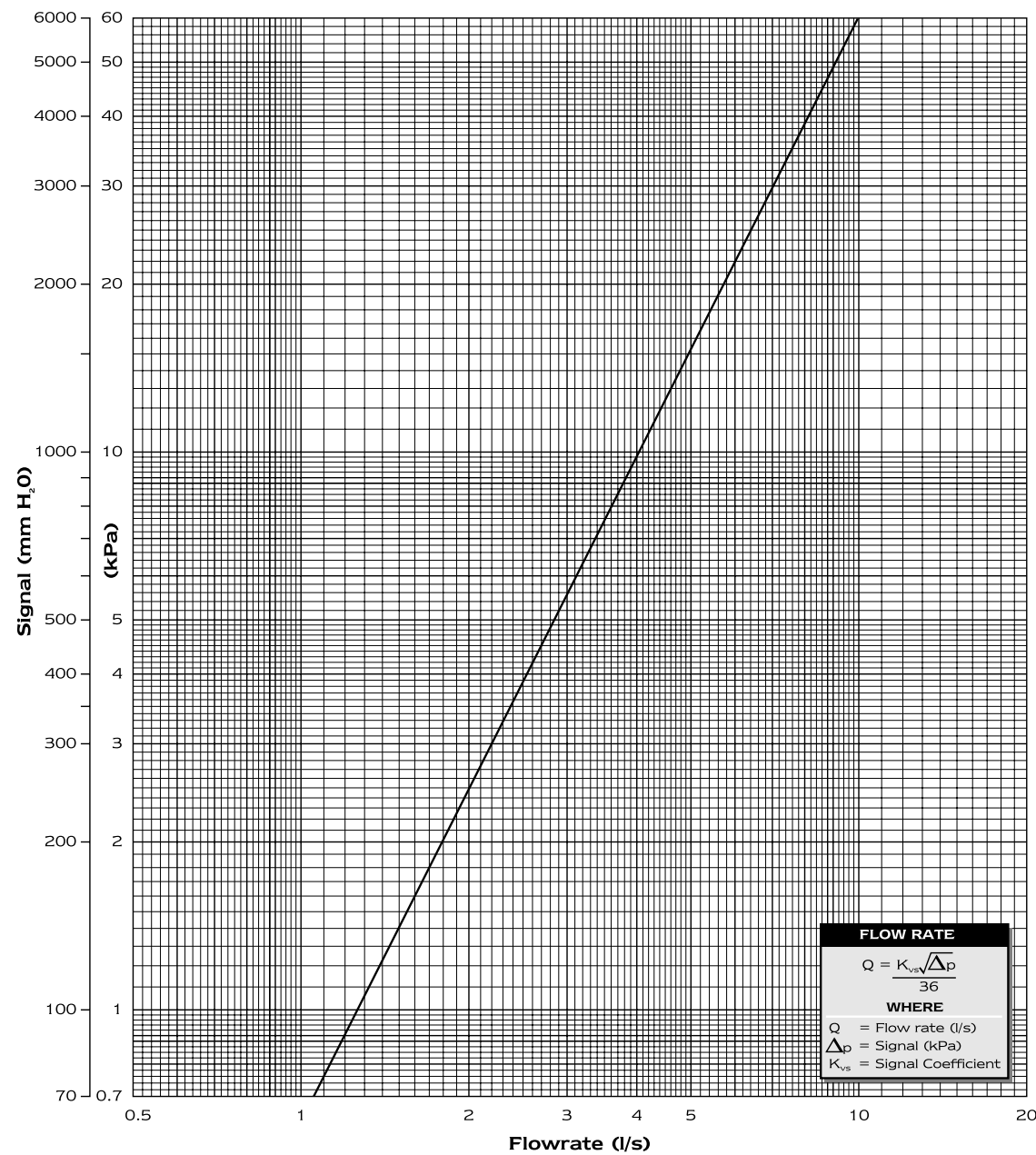
Fig No.	Factor
D901	0.46

# Flow Measurement & Regulating Valves

## Size 2 (DN50) D901

Fixed orifice devices for standard applications

Kvs = 46.1



D901

### Head / Pressure Loss

The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

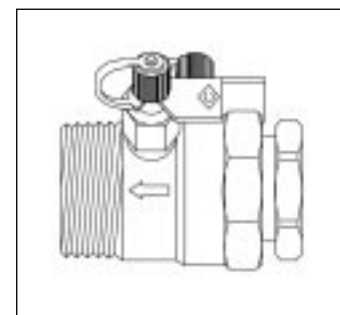
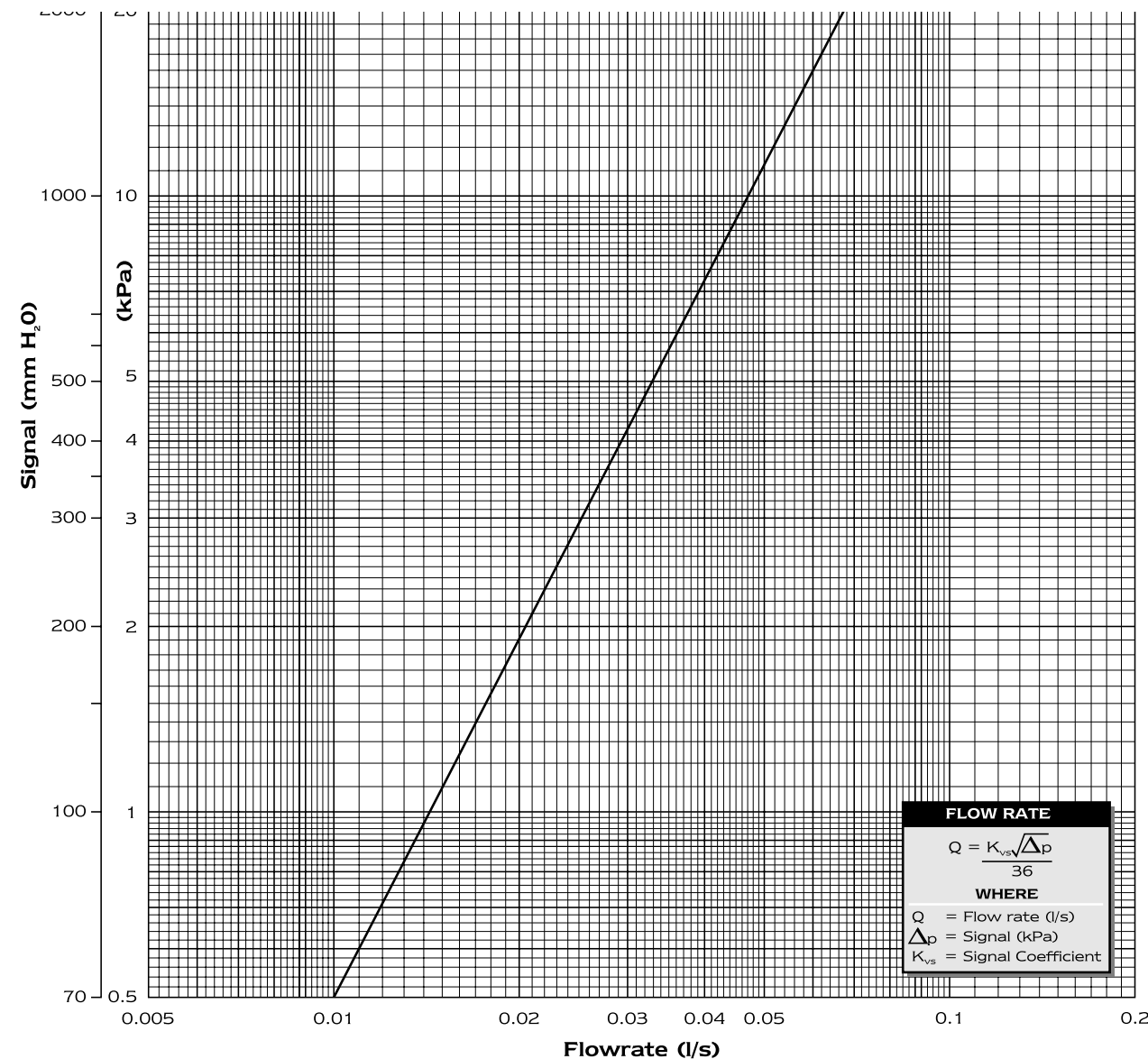
Fig No.	Factor
D901	0.41

## Size 1/2 (DN15) D902

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Fixed orifice devices for low flow applications

Kvs = 0.54



D902

### Head / Pressure Loss

The loss resulting from the insertion of the device in the pipeline may be calculated by multiplying the signal by the appropriate factor.

Fig No.	Factor
D902	0.90