



ESV 80 F/F
(DN 40 - DN 80)



ESV 80 F/G
(DN 40 - DN 80)



ESV 80 G/G
(DN 15 - DN 80)



Media

The float valves of the series ESV 80 F/F, ESV 80 F/G and ESV 80 G/G are suitable for the use of aggressive liquids, air and gas.

Float valve Flange • Male thread • Durable design Stainless steel

The high performance float valves of series ESV are suitable for tank installation, as well as pipeline valves, due to the pressure-resistant sealing of the valve housings.

The desired liquid level can be precisely adjusted by moving the float ball on the float arm or by moving the tab for the level control.

Due to the special lever transmission, an ESV Series float valve requires less driving power and can therefore withstand high pressures with a comparatively short float arm.

The valves are available with different connection configurations:

ESV 80 F/F:	Input and output flange connection
ESV 80 F/G:	Inlet flange, outlet thread
ESV 80 G/G:	Input and output threaded connection

Customs tariff number

84818081



Features

- flange connection according DIN EN 1092
- male thread according ISO 228
- max. working pressure 12 bar
- valve seat replaceable without disassembling the valve
- short installation length due to lever transmission
- durable, pollution resistant design
- closed and pressure-resistant design
- high flow rate

Working pressure



max. 12 bar

Connections



Male thread acc. DIN ISO 228



Flange connection acc. DIN EN 1092

Materials

	body	wetted parts	float arm	cap	seals	max. temperature
ESV 80 F/F ESV 80 F/G ESV 80 G/G	stainless steel 1.4404	stainless steel 1.4404	stainless steel 1.4571	stainless steel 1.4404	FPM	190°C



Temperatures

Various options in the area of seals and internal parts in contact with the medium allow a maximum temperature of up to 190°C.



from 0 °C up to +190 °C

Seals and temperatures

FPM from 0°C up to +190°C



Technical data

nominal size	15	20	25	32	40	40	50	65	80
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 1/2"	2"	2 1/2"	3"

Pressures

max. 12 bar



max. working pressure [bar]

ESV 80 F/F
ESV 80 F/G
ESV 80 G/G

12 bar

Connections

Male thread
from 1/2" to 3"



Flange connection
from DN 40 to DN 80



dimensions [mm]

	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 1/2"	2"	2 1/2"	3"
ESV 80 F/F	G1	3/4"	1"	1 1/4"	1 1/2"	1 1/2"	2"	2 1/2"	3"	3"
ESV 80 F/G	Df	--	--	--	--	40	40	50	65	80
ESV 80 G/G	L	594	594	727	727	727	924	924	1050	1050
ESV 80 F/F	L1	--	--	--	--	91	104	104	130	130
ESV 80 F/G	L1	--	--	--	--	91	104	104	130	130
ESV 80 G/G	L1	63	63	84	84	102	124	124	143	143

weight [kg]

ESV 80 F/F	--	--	--	--	7,9	11,3	12,6	17,5	18,6
ESV 80 F/G	--	--	--	--	5,4	8,7	9,2	13,6	14,5
ESV 80 G/G	1,8	1,8	3,1	3,2	3,4	6,9	6,9	11,5	11,5

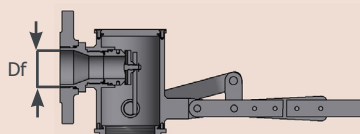
kvs-value [m³/h]

ESV 80 F/F	--	--	--	--	13,6	20	30	40	47
ESV 80 F/G	--	--	--	--	13,6	20	30	40	47
ESV 80 G/G	3,5	5,7	9,5	13,6	14	20	30	40	47

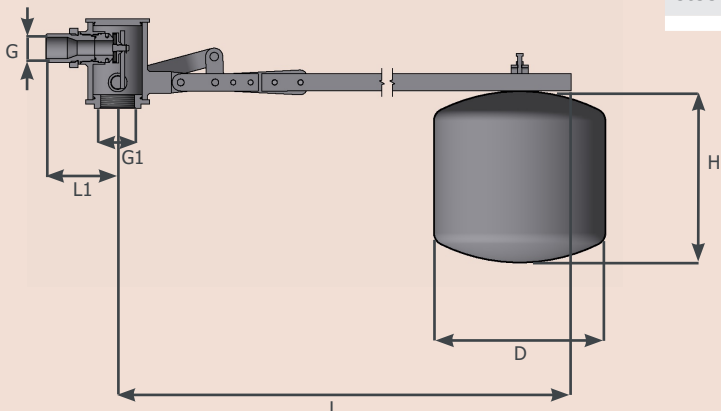
dimensions float [mm]

stainless steel	D	179	246	200	240	240	240	280	305	400
	H	90	107	200	180	180	240	280	305	260

Description flange:



Description male thread:





Article number

nominal size	15	20	25	32	40	40	50	65	80
G	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 1/2"	2"	2 1/2"	3"

standard version

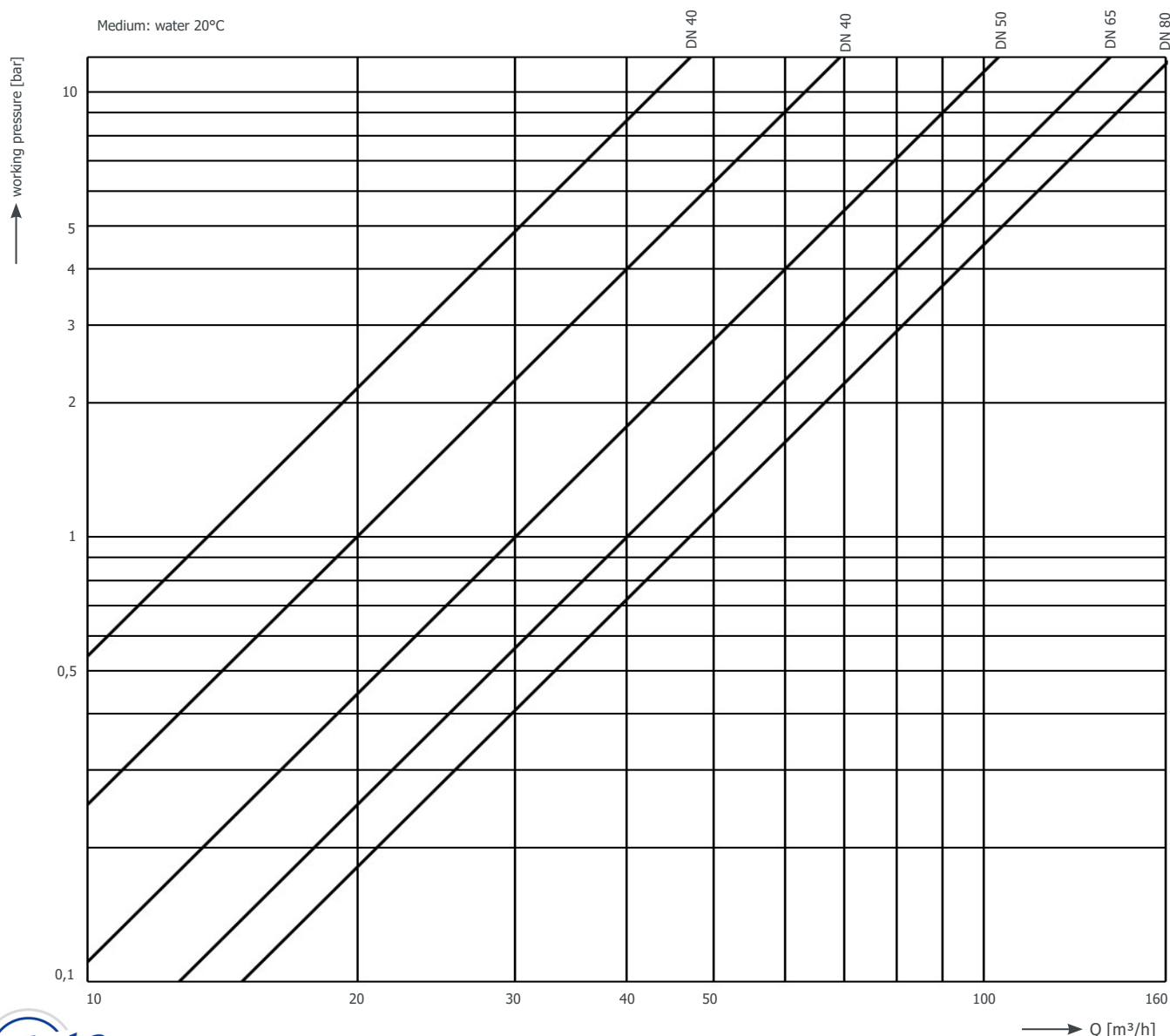
ESV 80 F/F	--	--	--	--	007216	007206	007207	007208	007209
ESV 80 F/G	--	--	--	--	007116	007106	007107	007108	007109
ESV 80 G/G	007002	007003	007004	007005	007016	007006	007007	007008	007009

float

stainless steel - V4A	000842	000843	000844	00845	000845	000846	000847	000848	000849
--------------------------	--------	--------	--------	-------	--------	--------	--------	--------	--------

Flow diagram

ESV 80 F/F and ESV 80 F/G





ESV 80 G/G

