



micromix

industrial mixers

Butterfly Valves VFS



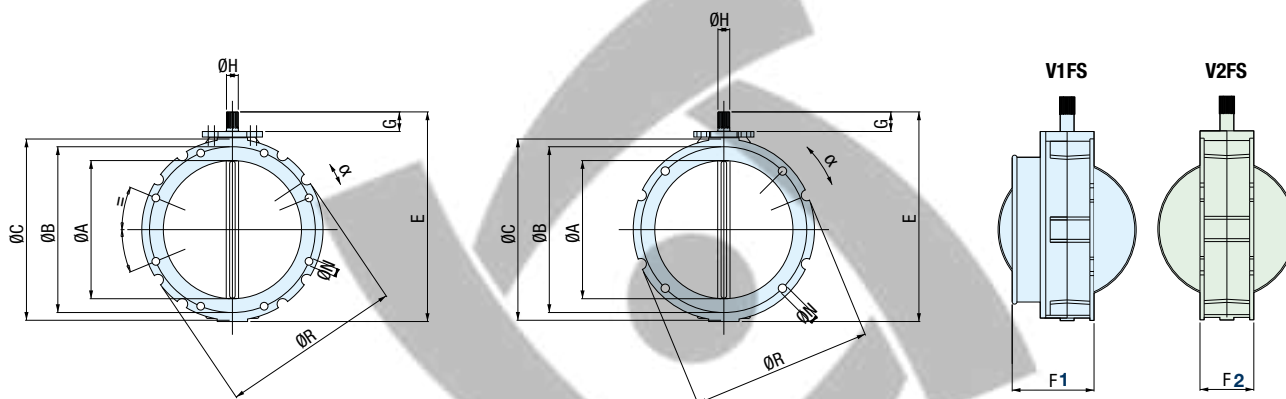
EC 1935/2004-certified

MILLIONS OF UNITS OPERATING WORLDWIDE

VFS Butterfly Valves are among the most frequently used shut-off devices worldwide for closing bulk material silos, hoppers or containers and for interrupting the flow in both mechanical and pneumatic conveying of powdery or granular materials.

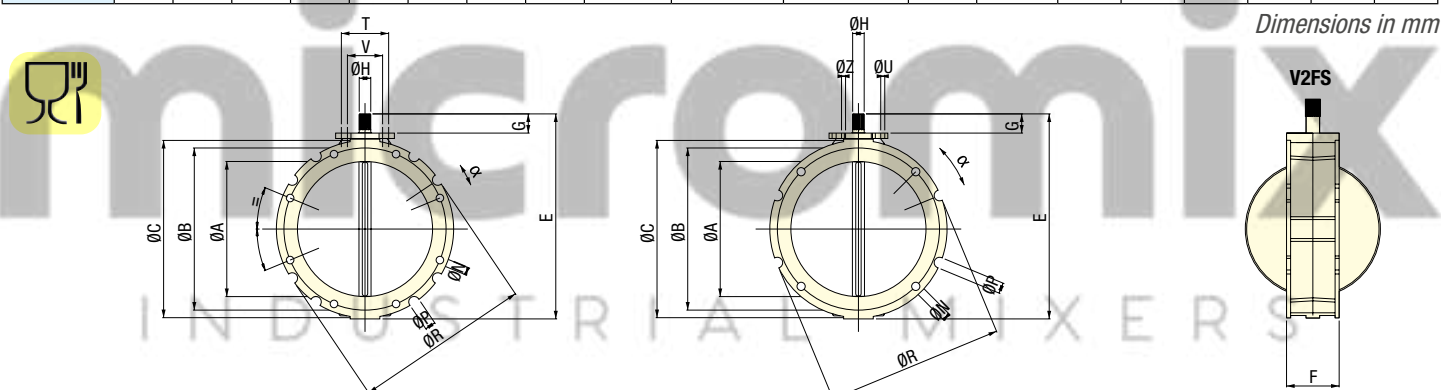
Due to their special design and engineering materials used, they represent a particularly cost-effective yet most efficient solution. For the food industry, a version with stainless-steel disc and an FDA and EC 1935/2004-compliant integral seal is available

Overall Dimensions



SINGLE / DOUBLE-FLANGE BUTTERFLY VALVES

TYPE	Ø A	Ø B	Ø C	Ø D	E	F1	F2	G	Ø H DIN 5482	N Drillings	P External indents	Ø R	α	S	T	U	V	Z	kg
V1FS 100.	95	180	220	105	250	117	77	35	22 X 19	4 X Ø 14	4 X Ø 20	220	22°30'	40	80	M12	50	M10	4.0
V1FS 150.	150	200	228	163	290	117	77	35	22 X 19	4 X Ø 14	4 X Ø 20	228	22°30'	40	80	M12	50	M10	5.0
V1FS 200.	200	250	278	213	340	117	77	35	22 X 19	4 X Ø 14	4 X Ø 20	278	22°30'	40	80	M12	50	M10	6.5
V1FS 250.	250	300	328	263	390	117	77	35	22 X 19	8 X Ø 14	8 X Ø 20	325	11°15'	40	80	M12	50	M10	7.5
V1FS 300.	300	350	378	313	440	117	77	35	22 X 49	8 X Ø 14	16 X Ø 20	375	5°41'	40	80	M12	50	M10	9.0
V1FS 350.	350	400	440	363	530	125	85	50	28 X 25	8 X Ø 14	8 X Ø 20	440	10°	40	80	M12	-	-	16.0
V1FS 400.	400	470	530	413	580	125	85	50	28 X 25	8 X Ø 14	16 X Ø 20	530	4°30'	40	80	M12	-	-	20.5



FOOD-GRADE BUTTERFLY VALVES

TYPE	Ø A	Ø B	Ø C	E	F	G	Ø H DIN 5482	N Drillings	P External indents	Ø R	α	T	U	V	Z	kg
V2FS 100.	90	180	220	250	84	35	22 X 19	4 X Ø 14	4 X Ø 20	220	22°30'	80	M12	50	M10	4.0
V2FS 150.	145	200	228	290	84	35	22 X 19	4 X Ø 14	4 X Ø 20	228	22°30'	80	M12	50	M10	5.0
V2FS 200.	195	250	278	340	84	35	22 X 19	4 X Ø 14	4 X Ø 20	278	22°30'	80	M12	50	M10	6.5
V2FS 250.	245	300	328	390	84	35	22 X 19	8 X Ø 14	8 X Ø 20	325	11°15'	80	M12	50	M10	7.5
V2FS 300.	295	350	378	440	84	35	22 X 49	8 X Ø 14	16 X Ø 20	375	5°41'	80	M12	50	M10	9.0

Dimensions in mm

Benefits



Highly abrasion-resistant due to specific component design



Interchangeable discs



Delivery from stock of WAMGROUP® subsidiaries worldwide



Time-saving maintenance



Easy to fit



Optimum price-performance ratio



Technical support and worldwide availability of spare parts thanks to the WAMGROUP® subsidiary network

Technical Features

- V1FS with top flange and beaded bottom section suitable for fixing of flexible sleeve
- V2FS with identical top and bottom flange
- Dust-tight and pressure-proof up to 0.2 bar (2.9 PSI)
- High-pressure aluminium alloy die-cast semi-bodies
- Disc in cast iron, SINT® engineering polymer, or stainless steel
- Gaskets for both standard and food-grade applications
- Few components
- Lightweight and easy to handle



Application



ACTUATOR COMPATIBILITY

For further details refer to Technical Catalogue



Manual Lever Actuator
CM



Pneumatic Rotary Actuator
CPU



Gear Motor Actuator
AE



WAMGROUP®



WAM® VALVES



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Fit-Frame Butterfly Valves VFP



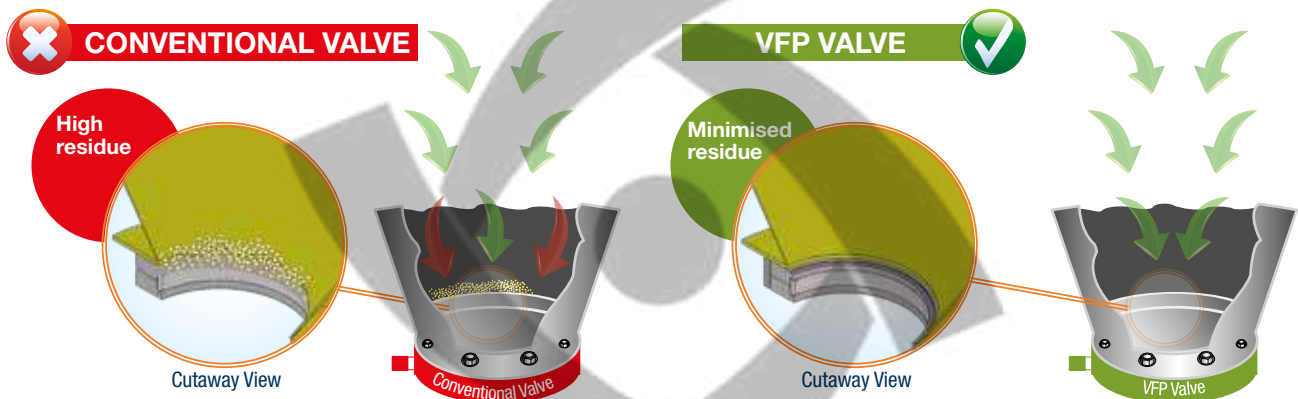
EC 1935/2004-certified

OPTIMISED MASS FLOW, NO CONTAMINATION, EASY HANDLING, EC 1935/2004-CERTIFIED

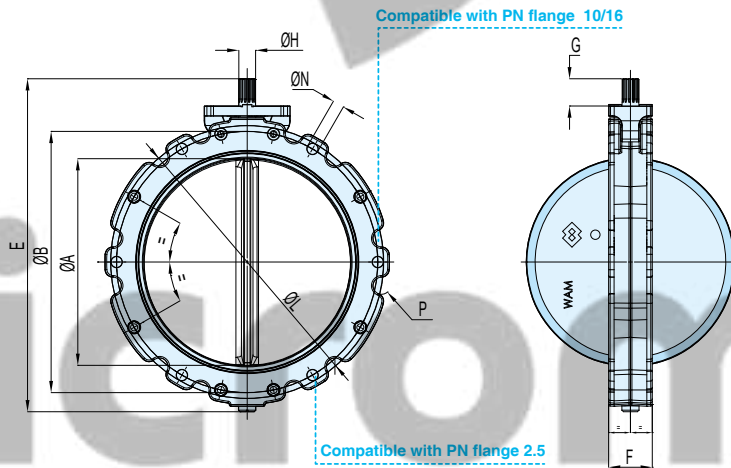
VFP/VFPX Fit-Frame Butterfly Valves can be fitted beneath hoppers, bins, silos, screw or other type conveyors, or to intercept pneumatic conveying ducts. Due to their special design, material residue between valve and downstream feeding device is drastically reduced. This valve range is compliant with Regulation (EC) No. 1935/2004 on materials and articles intended to come into contact with food.

Due to the materials used, Fit-Frame Butterfly Valves are a particularly economical and at the same time the most efficient solution in all those process areas where contamination and material pollution represent a critical point.

Fit-Frame: the better choice!



Overall Dimensions



CODE	$\varnothing A$	$\varnothing B$	E	F	G	$\varnothing H$ DIN 5482	$\varnothing N$ DRILLINGS		P EXTERNAL INDENTS	$\varnothing L$	kg
							mm	Qty	Qty		
100	110	170	255	56	35	22 X 19	14	4	4	180	3.0
125	136	200	285	56	35	22 X 19	14	4	4	210	4.0
150	164	225	313	56	35	22 X 19	14	4	4	240	4.5
175	190	250	336	56	35	22 X 19	14	4	4	270	5.0
200	213	280	371	56	35	22 X 19	14	4	4	295	6.0
250	267	335	427	56	35	22 X 19	14	6	12	350	8.0
300	318	395	487	56	35	22 X 19	14	6	12	400	10.0
350*	377	445	556	68	50	28 X 25	14	6	8	460	16.0
400*	426	495	607	68	50	28 X 25	14	8	12	515	19.0

Compatible with ANSI B16.5.150. - VFP1 single-flange type available

* Not compatible with PN and ANSI

Available integral seal for food applications
Dimensions in mm

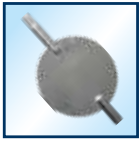
Benefits



Minimum contamination thanks to “FIT-FRAME”



Lightweight easy to handle thanks to lowest possible overall height



Highly abrasion-resistant interchangeable discs



Delivery from stock of WAMGROUP® subsidiaries worldwide



Easy to fit due to PN and ANSI flange compatibility



Simple, time-saving maintenance thanks to few components



Technical support and worldwide availability of spare parts thanks to the WAMGROUP® subsidiary network

Technical Features

- VFP2 with identical top and bottom flange (VFP1 featuring top flange only)
- Pressure-proof up to 0.6 bar (8.7 PSI)
- High-pressure die-cast aluminium-alloy semi bodies
- Disc in mild steel, SINT® engineering polymer or stainless steel
- Gaskets for standard or food-grade application
- Compatible with PN flanges (2.5/6 and 10/16 external indents)
- OR groove on flange
- Low overall height
- ATEX zone 20 internal and zone 22 external certification
- Food-grade components manufactured from FDA and EC 1935/2004-certified materials



1 Swivel discs



2 Gaskets



Application



ACTUATOR COMPATIBILITY

For further details refer to Technical Catalogue



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Butterfly Valves

VW



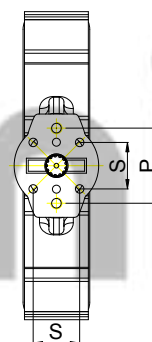
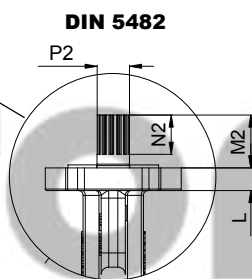
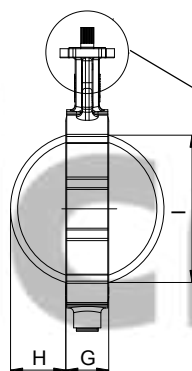
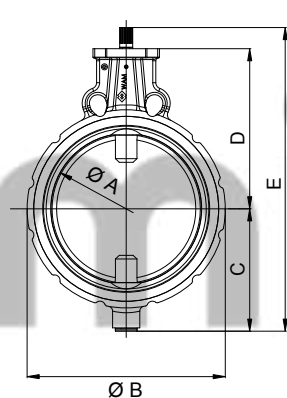
EFFICIENT AND RELIABLE MATERIAL FLOW INTERCEPTION

VW Butterfly Valves can be used in virtually all types of bulk solids processing plants where interception of gravity-fed or pneumatically conveyed dry powders or granules is required. This type of valve is particularly suitable for pneumatic conveying operations, in both dilute and dense phase applications, provided the operating pressure does not exceed 2.5 bar (36 PSI). Due to its particular design features and the materials used, the VW Butterfly Valve represents the ideal solution in many cases, both from a technical and an economic point of view.



VW Butterfly Valves consist of a one-piece body made of die-cast aluminium, a mild-steel or stainless-steel valve disc including shaft journals and an elastomer gasket. An adjusting lever or a pneumatic or electric actuator can be mounted. The three WAM® actuators are perfectly interchangeable. Interchangeability of the drive shaft (standard: DIN 5482) and the universal connection option to different flange sizes result in a variety of configurations.

Overall Dimensions



CODE *	Ø A	Ø B	C	D	E	G	H	I	L	M2	N2	P	P1	P2	S	kg
VW 250	250	328	203	265	503	71	92	244	26	35	26	160	16	22	99	12

* Further sizes under development.

Dimensions in mm



Benefits



Highly abrasion-resistant



Interchangeable discs



Short delivery time



Quick maintenance



Easy to fit



Replaceable gasket



Technical support and worldwide availability of spare parts thanks to the WAMGROUP® subsidiary network

Technical Features

- Gauge: EN 558 Series 20; ISO 5752; API 609
- Coupling flanges: DIN 2501 PN 2.5 / 6 / 10 / 16; ANSI B 16.5, class 150
- Coupling flange surface design: DIN 2526, form A
- Actuator coupling flange: DIN 5482
- Valve identification: DIN EN 19
- Leak test: EN 12 266-1, EN 12 266-2, A grade
- Operating temperature: -20 °C ~ 90 °C (-4 °F ~ 194 °F)
- Differential pressure: max. 2.5 bar (36.3 PSI)
- Operating pressure: max. 2.5 bar (36.3 PSI)



Industries



Dry-Mix Processing



Plastics Processing



Glass Processing



Foundries



Pneumatic Conveying Plants

Application



ACTUATOR COMPATIBILITY

For further details refer to Technical Catalogue



Manual Lever
CM



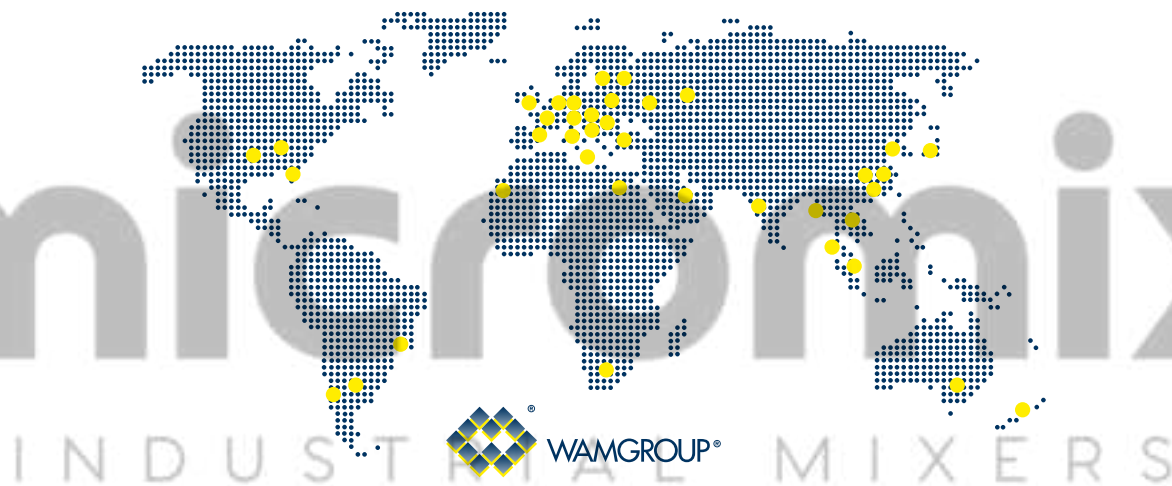
Pneumatic Rotary Actuator
CPU



Gear Motor Actuator
AE

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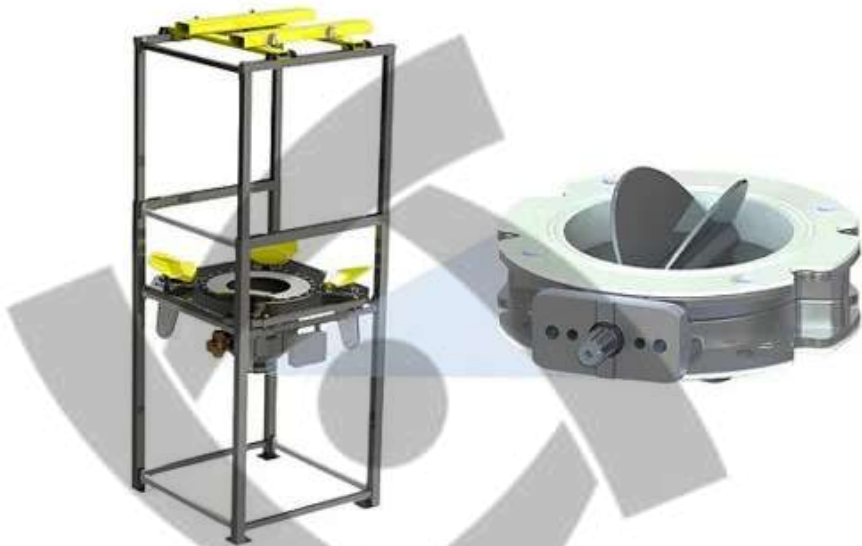
Paddle Wheel Valves VFD



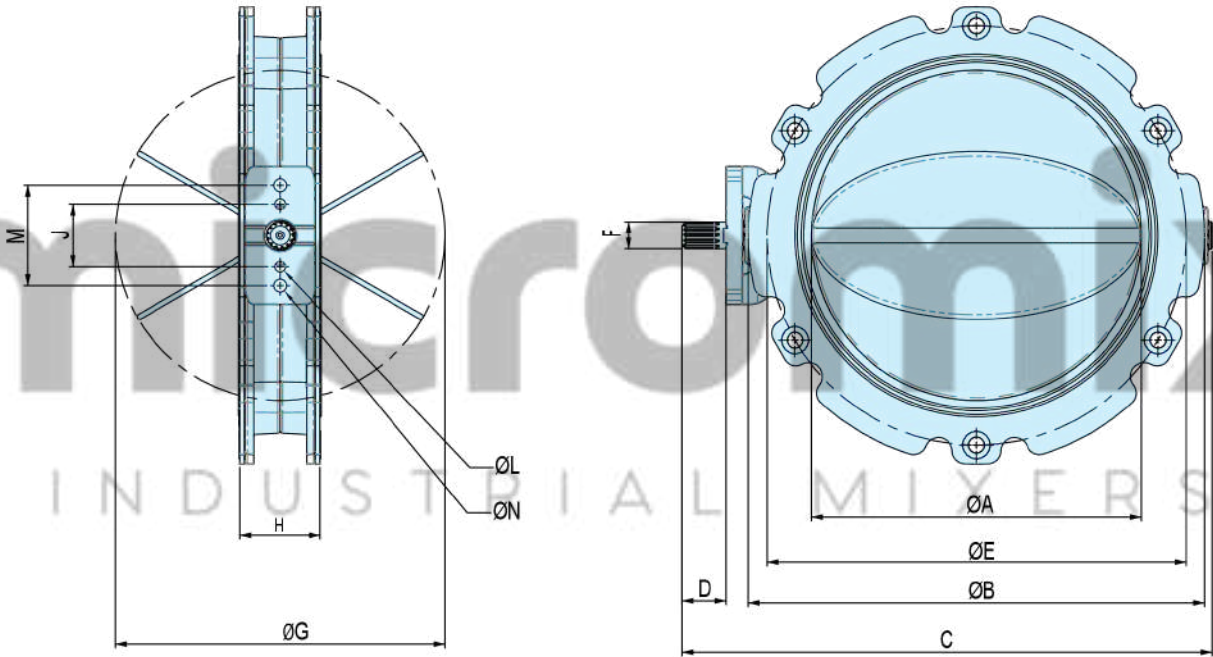
FINE DOSING OF POWDERS FLOW

The VFD Paddle Wheel Valve offers safe, smooth feeding of bulk solids with a maximum granular size of 1.5mm. It stands as the ideal solution for handling uniform, fine materials. Complementing this, the VFD Paddle Wheel Valves provide reliable discharge, and flow control, and feeding ensuring efficient and precise material handling.

The VFD Paddle Wheel Valve can be installed on loading or discharging pipes, enabling efficient emptying or filling of drums, bins, and FIBCs.



Overall Dimensions



CODE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F	Ø G (mm)	H (mm)	I (mm)	M (mm)	L	N	kg
VFD2150	163	255	312	35	225	DIN5482- 22X19	162	56	50	80	2XM10	2XM12	6
VFD2200	211	310	367		280		210						8
VFD2250	265	365	424		335		262						10
VFD2300	315	425	483		395		315						14

Available integral seal for food applications

Benefits



Improved material flow



Cost-effective



Easy to fit, compatible with both PN and ANSI flanges



Easy cleaning and maintenance



Enhanced material quality



Technical support and worldwide availability of spare parts thanks to WAMGROUP® subsidiary network

Technical Features

- Food-grade components compliant with FDA and EC 1935/2004 standards
- High-pressure die-cast semi-bodies in aluminium alloy
- Replaceable paddle wheel
- Easy to disassemble and clean, thanks to a minimal number of components



① Actuator bracket

② Replaceable Gasket

③ Paddle Wheel

Industries



Animal Feed Milling



Plastics Processing



Drymix Processing



Food Processing



Flour Milling



Cosmetics Processing



Detergents Processing



Chemicals



Ceramics Production



Glass Processing

ACTUATOR COMPATIBILITY

For further details refer to Technical Catalogue



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INDUSERV FILTEX S.R.L.

Sibiu, 51/75 Nicolae Iorga Street,
Sibiu County, RO 550387, Romania

+40 (0) 369 809 889
office@micromix.ro

+40 (0) 753 811 889
dan.codin@induserv.ro



micromix