

# SILENCERS WITH CIRCULAR CONNECTION

## PREMIUM

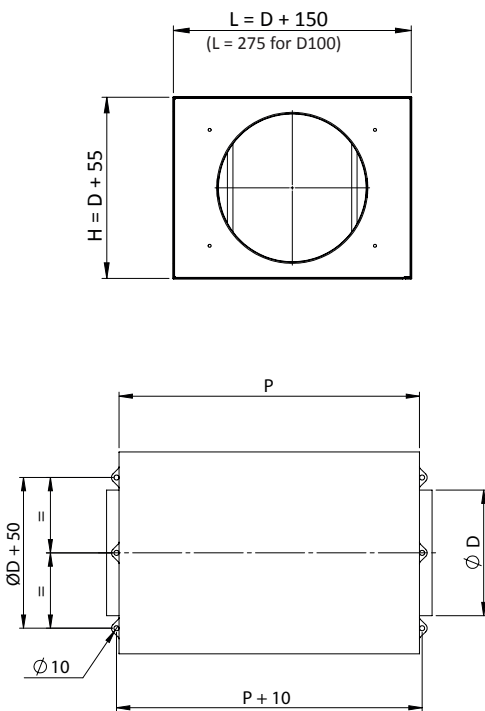
The PREMIUM range silencers with circular connection are designed to optimize acoustic attenuation in circular ductworks and minimize silencer size. Intended for commercial building and residential applications, they enable to decrease ventilation system noise pollution. Their aerolic and acoustic performances have been tested and approved by an independent laboratory (CTTM) according to the standards ISO 7235.



### CONSTRUCTION

		CHARACTERISTICS
Casing	Material	Galvanized steel, sheet thickness 1.0 mm
	Connection	Male circular connection with EPDM gasket Minimum airtightness class C
Soundproofing	Material	Mineral wool with anti-erosion fiberglass layer on the surface

### DIMENSIONS



∅D in mm	P in mm	L in mm	H in mm	Weight in Kg P= 600 mm	Weight in Kg P= 1000 mm
100	600 or 1000	275	155	6	9,5
125		275	180	6,5	10
160		310	215	7,5	11,5
200		350	255	8,5	13,5
250		400	305	10	16
315		465	370	12,5	19
355		505	410	13,5	21
400		550	455	15	23
450		600	505	16,5	25,5
500		650	555	18,5	28

# SILENCERS WITH CIRCULAR CONNECTION

## PREMIUM

### ACOUSTIC PERFORMANCES, ATTENUATIONS

LENGTH 600 mm	Static attenuations (dB)							
	Diameter	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø125	6	9	16	28	39	49	36	22
Ø160	6	8	15	25	36	42	30	19
Ø200	6	6	13	21	30	33	22	16
Ø250	6	4	9	15	22	18	10	10
Ø315	4	4	8	13	19	11	6	5
Ø355	4	3	7	13	18	10	5	5
Ø400	4	3	7	12	16	9	5	4
Ø450	3	3	6	11	13	8	5	4
Ø500	2	2	5	11	11	6	5	3

LENGTH 1000 mm	Static attenuations (dB)							
	Diameter	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø125	9	14	25	40	56	49	36	34
Ø160	9	11	22	35	50	42	30	24
Ø200	9	8	18	28	42	39	22	20
Ø250	9	6	17	27	38	30	15	16
Ø315	5	5	12	21	31	16	9	7
Ø355	4	4	12	20	29	15	8	7
Ø400	4	4	11	19	26	13	8	7
Ø450	3	3	10	18	22	11	7	6
Ø500	3	3	9	16	18	8	6	6

# SILENCERS WITH CIRCULAR CONNECTION

PREMIUM

ACOUSTIC

## ACOUSTIC PERFORMANCES, REGENERATIONS

LENGTH 600 mm		Frequencies (Hz)								Tests carried out by an independent laboratory according to ISO 7235 : 2009		
Diameter (mm)	Air velocity (m/s)	63	125	250	500	1000	2000	4000	8000	Gobal dB	Gobal dB (A)	Pressure losses (Pa)
125	3 m/s	37	30	20	11	10	14	14	14	38	<b>22</b>	5
	5 m/s	41	35	30	22	12	14	14	14	43	<b>26</b>	10
	7 m/s	46	41	40	32	22	16	16	16	48	<b>35</b>	20
	10 m/s	52	49	49	43	34	27	21	23	55	<b>44</b>	45
160	3 m/s	38	30	21	12	10	14	14	14	39	<b>22</b>	5
	5 m/s	42	36	31	24	15	15	15	15	44	<b>27</b>	10
	7 m/s	47	42	40	33	25	18	18	18	49	<b>35</b>	20
	10 m/s	53	49	49	43	36	29	24	25	56	<b>44</b>	35
200	3 m/s	39	31	22	14	11	14	14	14	40	<b>23</b>	5
	5 m/s	44	38	32	26	18	15	15	15	45	<b>29</b>	10
	7 m/s	48	44	41	34	30	20	20	20	50	<b>37</b>	15
	10 m/s	53	49	48	43	40	31	28	27	56	<b>45</b>	30
250	3 m/s	42	32	23	16	12	14	14	14	42	<b>23</b>	5
	5 m/s	46	41	34	29	24	16	16	16	47	<b>32</b>	5
	7 m/s	50	47	42	36	37	24	24	24	52	<b>41</b>	10
	10 m/s	55	50	47	43	45	35	34	30	57	<b>48</b>	15
315	3 m/s	39	29	21	15	11	14	14	14	40	<b>22</b>	5
	5 m/s	45	39	28	22	15	14	14	14	46	<b>27</b>	5
	7 m/s	53	46	36	30	24	17	17	17	54	<b>35</b>	5
	10 m/s	58	54	46	41	36	31	31	29	60	<b>44</b>	5
355	3 m/s	40	30	21	16	11	14	14	14	41	<b>22</b>	5
	5 m/s	46	38	28	22	15	14	14	14	46	<b>27</b>	5
	7 m/s	53	46	36	30	24	18	18	18	54	<b>35</b>	5
	10 m/s	58	54	46	41	37	31	31	30	60	<b>45</b>	5
400	3 m/s	41	30	21	16	12	14	14	14	42	<b>23</b>	5
	5 m/s	46	37	28	22	15	14	14	14	47	<b>27</b>	5
	7 m/s	52	45	36	30	24	18	18	18	53	<b>35</b>	5
	10 m/s	58	54	46	41	37	32	32	30	60	<b>45</b>	5
450	3 m/s	42	31	22	16	12	14	14	14	43	<b>23</b>	5
	5 m/s	46	36	28	22	14	14	14	14	47	<b>27</b>	5
	7 m/s	52	45	36	31	25	19	19	19	53	<b>35</b>	5
	10 m/s	59	54	46	42	38	32	32	30	60	<b>45</b>	5
500	3 m/s	44	32	22	17	12	14	14	14	44	<b>24</b>	5
	5 m/s	47	35	27	21	14	15	15	15	47	<b>27</b>	5
	7 m/s	51	44	36	32	26	19	19	19	52	<b>35</b>	5
	10 m/s	59	53	46	43	38	33	33	30	60	<b>45</b>	5

ASRCP\_07/2020\_EN. Information and data can not be considered as contractual. Design and data changes may occur without notice during F2A's continuous product development.



# SILENCERS WITH CIRCULAR CONNECTION

## PREMIUM

### ACOUSTIC PERFORMANCES, REGENERATIONS

LENGTH 1000 mm		Frequencies (Hz)								Tests carried out by an independent laboratory according to ISO 7235 : 2009		
Diameter (mm)	Air velocity (m/s)	63	125	250	500	1000	2000	4000	8000	Gobal dB	Gobal dB (A)	Pressure losses (Pa)
125	3 m/s	39	28	18	13	12	13	13	13	39	<b>22</b>	6
	5 m/s	40	34	28	23	24	23	23	23	41	<b>30</b>	13
	7 m/s	42	40	37	30	20	15	15	15	45	<b>32</b>	26
	10 m/s	48	47	46	40	30	25	20	23	52	<b>41</b>	55
160	3 m/s	39	29	20	14	12	14	14	14	40	<b>22</b>	5
	5 m/s	42	35	30	25	21	20	20	20	43	<b>29</b>	11
	7 m/s	45	42	38	33	24	18	18	18	48	<b>34</b>	22
	10 m/s	51	50	47	42	35	29	24	24	55	<b>44</b>	46
200	3 m/s	39	30	23	16	11	14	14	14	40	<b>23</b>	4
	5 m/s	45	38	33	29	18	15	15	15	46	<b>30</b>	9
	7 m/s	50	44	41	38	30	22	22	22	52	<b>38</b>	17
	10 m/s	55	53	49	46	42	36	30	26	58	<b>48</b>	33
250	3 m/s	43	33	23	16	11	14	14	14	44	<b>24</b>	2
	5 m/s	46	42	35	31	27	17	17	17	48	<b>33</b>	6
	7 m/s	50	46	43	37	39	25	25	25	53	<b>42</b>	12
	10 m/s	55	48	46	43	46	36	33	30	57	<b>48</b>	24
315	3 m/s	38	29	20	13	11	14	14	14	38	<b>22</b>	0
	5 m/s	42	33	24	18	12	14	14	14	43	<b>24</b>	1
	7 m/s	51	40	33	29	23	17	17	17	51	<b>32</b>	1
	10 m/s	55	47	41	37	33	27	27	27	56	<b>40</b>	4
355	3 m/s	39	29	20	14	11	14	14	14	39	<b>22</b>	0
	5 m/s	43	33	25	19	12	14	14	14	44	<b>25</b>	1
	7 m/s	51	41	34	29	23	18	18	18	52	<b>32</b>	1
	10 m/s	56	48	42	38	34	29	28	28	57	<b>41</b>	4
400	3 m/s	40	29	20	15	12	14	14	14	40	<b>22</b>	1
	5 m/s	44	34	26	20	13	14	14	14	45	<b>25</b>	1
	7 m/s	51	42	35	30	24	18	18	18	52	<b>33</b>	2
	10 m/s	57	50	44	40	36	30	30	28	58	<b>43</b>	5
450	3 m/s	42	30	21	16	12	14	14	14	42	<b>23</b>	1
	5 m/s	46	35	27	22	14	14	14	14	46	<b>26</b>	2
	7 m/s	51	43	36	31	25	19	19	19	52	<b>34</b>	2
	10 m/s	59	51	45	42	39	32	32	29	60	<b>45</b>	5
500	3 m/s	44	31	21	17	12	14	14	14	44	<b>23</b>	1
	5 m/s	47	36	29	23	15	15	15	15	48	<b>27</b>	2
	7 m/s	51	44	37	32	27	20	20	20	52	<b>35</b>	3
	10 m/s	60	53	47	45	42	35	34	30	61	<b>47</b>	6

ASRCP\_07/2020\_EN. Information and data can not be considered as contractual. Design and data changes may occur without notice during F2A's continuous product development.

