

Alexandra Fol

Exhalation / Expiration for Wind Ensemble

Doctoral Thesis / Dissertation

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Alexandra Fol

Exhalation / Expiration

for Wind Ensemble

A thesis submitted to McGill University in partial fulfillment of the requirements of the degree of
Doctor of Music in Composition

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To my mother, Valeria Fol

Instrumentation (34 players)

2 Flutes
Piccolo

2 Oboes
Cor anglais

3 Clarinets in B-flat
Bass Clarinet in B-flat

Soprano Saxophone
Alto Saxophone
Tenor Saxophone
Baritone Saxophone

2 Bassoons
Contrabassoon

4 French Horns in F
3 Trumpets in C
3 Trombones
Euphonium
Tuba

Timpani (one at 74 cm, one at 66 cm)

Percussion 1 (Glockenspiel, Bass Drum, Lion's roar, Tom-tom, Sandpaper blocks)

Percussion 2 (Xylophone, Vibraphone, Marimba, Large Tam-Tam, Small Tam-tam, Bucket with water, Water whistle)

Percussion 3 (Vibraphone, Guiro, Whip)

Harp

Legend



Play the highest pitch possible



Play the lowest pitch possible

Performance notes

All trills are semitone trills unless otherwise notated.

Glissando indications for large intervals in the flutes indicate that the players should combine over-blowing on the natural harmonic series with chromatic fingerings to create the impression of *glissando*.

Score is in C

All instruments sound as written except the Contrabassoon, which sounds an octave lower than written, the Glockenspiel, which sounds two octaves higher than written, and the Xylophone, which sounds one octave higher than written.

Duration

21.5 minutes

Volume 1: Score

Montréal, QC, Canada, 2010-2011

Exhalation / Expiration

To my mother, Valeria Fol

Alexandra Fol

♩ = 116-126

A

Piccolo

Flute 1

Flute 2

Oboe 1

Oboe 2

Cor Anglais

Clarinet in B♭ 1

Clarinet in B♭ 2

Clarinet in B♭ 3

Bass Clarinet in B♭

Soprano Saxophone

Alto Saxophone

Tenor Saxophone

Baritone Saxophone

Bassoon 1

Bassoon 2

Contrabassoon

Horn in F 1

Horn in F 2

Horn in F 3

Horn in F 4

Trumpet in C 1

Trumpet in C 2

Trumpet in C 3

Trombone 1

Trombone 2

Trombone 3

Euphonium

Tuba

Timpani

Percussion 1

Percussion 2

Percussion 3

Harp

GLOCKENSPIEL

hand mallets throughout

1.x

KYLOPHONE

yarn mallets throughout

mf

VIBRAPHONE

ff

f

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Picc. *pp*

Fl. 1

Fl. 2

Ob. 1

Ob. 2

C. A.

Cl. 1 *pp*

Cl. 2

Cl. 3

B. Cl.

Sop. Sax. *fff*

Alto Sax. *mp*

Ten. Sax.

Bari. Sax.

Bsn. 1

Bsn. 2

Cbsn.

Hn. 1 *pp*

Hn. 2

Hn. 3

Hn. 4

C Tpt. 1 *p*

C Tpt. 2 *p* harmon mute stem in

C Tpt. 3

Tbn. 1 *p* harmon mute stem in

Tbn. 2

Tbn. 3

Euph.

Tba. *mp*

Timp.

Perc. 1 (GLOCKENSPIEL) *mp* l.v.

Perc. 2 (XYLOPHONE) *mp*

Perc. 3 (VIBRAPHONE) *mp*

Hp. *ff*

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Picc. *(unfzr ppp)*

Fl. 1 *(unfzr pp)*

Fl. 2 *ppp*

Ob. 1

Ob. 2

C. A.

Cl. 1 *(unfzr pp)*

Cl. 2 *ppp*

Cl. 3 *ppp*

B. Cl. *mp* *p* *mp* *p* *mp* *mf* *mp*

Sop. Sax.

Alto Sax. *(unfzr mp)*

Ten. Sax.

Bari. Sax. *mf*

Bsn. 1

Bsn. 2

Cbsn. *mf*

Hn. 1 *(unfzr pp)*

Hn. 2 *pp*

Hn. 3

Hn. 4

C Tpt. 1 *(unfzr p)*

C Tpt. 2 *(unfzr p)*

C Tpt. 3

Tbn. 1 *(unfzr p)*

Tbn. 2 *(unfzr p)*

Tbn. 3

Euph.

Tba. *(unfzr mp)*

Timp.

Perc. 1

Perc. 2 *(unfzr mp)*

Perc. 3 *(unfzr mp)*

Hp. *(unfzr ff)* (8)

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32

Picc. *(sample pp)*

Fl. 1 *(sample pp)*

Fl. 2 *(sample ppp)*

Ob. 1

Ob. 2

C. A. *p*

Cl. 1 *(sample pp)*

Cl. 2 *(sample ppp)*

Cl. 3 *(sample ppp)*

B. Cl. *(sample mp)*

Sop. Sax.

Alto Sax. *(sample mp)*

Ten. Sax. *mf*

Bari. Sax. *(sample mf)*

Bsn. 1

Bsn. 2 *mf*

Cbsn. *(sample mf)*

Hn. 1 *(sample pp)*

Hn. 2 *(sample pp)*

Hn. 3

Hn. 4

C Tpt. 1 *(sample p)*

C Tpt. 2 *(sample p)*

C Tpt. 3

Tbn. 1 *(sample p)*

Tbn. 2 *(sample p)*

Tbn. 3

Euph.

Tba. *(sample mp)*

Timp.

Perc. 1 (GLOCKENSPIEL) *mp*

Perc. 2 (XYLOPHONE) *(sample mp)*

Perc. 3 (VIBRAPHONE) *(sample mp)*

Hp.

C

36

Picc. *tr* *pp* *p*
 Fl. 1 *(sustains pp)* *p*
 Fl. 2 *p*
 Ob. 1 *p*
 Ob. 2 *p* *mp* *p*
 C. A. *(sustains p)*
 Cl. 1 *(sustains pp)*
 Cl. 2 *(sustains ppp)*
 Cl. 3 *(sustains ppp)*
 B. Cl. *(sustains mp)*
 Sop. Sax. *p*
 Alto Sax. *(sustains mp)*
 Ten. Sax. *(sustains mf)*
 Bari. Sax. *(sustains mf)*
 Bsn. 1 *p*
 Bsn. 2 *p*
 Cbsn. *(sustains mf)*
 Hn. 1 *(sustains pp)*
 Hn. 2 *(sustains pp)*
 Hn. 3
 Hn. 4
 C Tpt. 1 *mp*
 C Tpt. 2 *mp*
 C Tpt. 3
 Tbn. 1 *(sustains p)* *gliss.*
 Tbn. 2 *(sustains p)* *gliss.*
 Tbn. 3 *p*
 Euph. *mp*
 Tba. *(sustains mp)*
 Timp.
 Perc. 1 *l. v.* *mp*
 Perc. 2 *(sustains mp)*
 Perc. 3 *(sustains mp)*
 Hp.

40

Picc. *(sample p)*

Fl. 1 *(sample p)*

Fl. 2 *(sample p)*

Ob. 1 *(sample p)*

Ob. 2 *(sample p)*

C. A. *(sample p)*

Cl. 1 *(sample pp)*

Cl. 2 *pp*

Cl. 3

B. Cl. *mf*

Sop. Sax. *(sample p)*

Alto Sax.

Ten. Sax. *(sample mf)*

Bari. Sax. *(sample mf)*

Bsn. 1 *(sample p)*

Bsn. 2 *(sample p)*

Cbsn.

Hn. 1

Hn. 2

Hn. 3

Hn. 4

C Tpt. 1 *(sample mp)*

C Tpt. 2 *(sample mp)*

C Tpt. 3 *mp*

Tbn. 1 *(sample p)*

Tbn. 2 *(sample p)*

Tbn. 3 *(sample p)*

Euph. *(sample mp)*

Tba. *(sample mp)*

Timp.

Perc. 1 (GLOCKENSPIEL) *mp*

Perc. 2 (XYLOPHONE) *(sample mp)*

Perc. 3 (VIBRAPHONE) *(sample mp)*

Hp.

44

Picc. *(sample p)*

Fl. 1 *(sample p)*

Fl. 2 *(sample p)*

Ob. 1

Ob. 2 *(sample p)*

C. A. *(sample p)*

Cl. 1

Cl. 2 *(sample pp)* *ppp* *p*

Cl. 3 *(sample pp)* *p* *ppp*

B. Cl. *(sample mf)* *ppp*

Sop. Sax. *(sample p)*

Alto Sax.

Ten. Sax. *(sample mf)*

Bari. Sax. *(sample mf)*

Bsn. 1 *(sample p)*

Bsn. 2 *(sample p)*

Cbssn. *mp*

Hn. 1

Hn. 2

Hn. 3

Hn. 4

C Tpt. 1 *(sample mp)*

C Tpt. 2 *(sample mp)*

C Tpt. 3 *(sample mp)*

Tbn. 1 *(sample p)* *gliss.*

Tbn. 2 *(sample p)* *gliss.*

Tbn. 3 *(sample p)* *gliss.*

Euph. *(sample mp)*

Tba. *(sample mp)*

Timp.

Perc. 1 *mp*

Perc. 2 *(sample mp)*

Perc. 3 *(sample mp)*

Hp.

48

Picc. *tr* *pp* *pp* *mp*

Fl. 1 *tr* *pp*

Fl. 2 *tr* *pp*

Ob. 1

Ob. 2 *tr* *pp* *p*

C. A. *p* *mf* *tr*

Cl. 1 *ppp* *mp* *ppp*

Cl. 2 *ppp* *ppp*

Cl. 3 *ppp* *mp*

B. Cl. *ppp* *mp*

Sop. Sax. *tr* *pp*

Alto Sax.

Ten. Sax. *mp*

Bari. Sax. *mp*

Bsn. 1 *tr* *pp*

Bsn. 2 *tr* *pp*

Cbsn. *tr* *pp*

Hn. 1

Hn. 2

Hn. 3 *p* *mf* *p*

Hn. 4

C Tpt. 1 *tr* *pp* *mp*

C Tpt. 2 *tr* *pp*

C Tpt. 3 *tr* *pp*

Tbn. 1 *tr* *pp* *gliss.*

Tbn. 2 *tr* *pp* *gliss.*

Tbn. 3 *tr* *pp* *gliss.*

Euph. *tr* *pp*

Tba. *tr* *pp* *gliss.*

Timp. *tr* *pp*

Perc. 1 (GLOCKENSPIEL) *tr* *pp*

Perc. 2 (XYLOPHONE) *tr* *pp*

Perc. 3 (VIBRAPHONE) *tr* *pp*

Hp.

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Picc. *pp* *mp* *pp* *mp*

Fl. 1 *(sempre pp)*

Fl. 2 *(sempre pp)*

Ob. 1 *(sempre p)* *mp* *p*

Ob. 2 *(sempre p)*

C. A. *p* *p*

Cl. 1 *mf*

Cl. 2 *mp* *ppp* *mf* *ppp*

Cl. 3 *ppp, crescendo poco a poco* *(sempre mp)*

B. Cl. *(sempre mp)*

Sop. Sax. *(sempre p)* *p*

Alto Sax. *(sempre mp)*

Ten. Sax. *(sempre mp)*

Bari. Sax.

Bsn. 1 *(sempre p)*

Bsn. 2 *(sempre p)*

Cbsn.

Hn. 1 *pp* *pp*

Hn. 2

Hn. 3 *mf* *p* *mf* *p* *mf* *p*

Hn. 4

C Tpt. 1 *p* *p*

C Tpt. 2 *pp* *pp*

C Tpt. 3 *pp*

Tbn. 1 *(sempre p)* *gliss.*

Tbn. 2 *(sempre p)* *gliss.*

Tbn. 3 *(sempre p)* *gliss.*

Euph. *(sempre mp)*

Tba. *(sempre mp)*

Timp.

Perc. 1

Perc. 2 *(sempre mp)*

Perc. 3 *(sempre mp)*

Hp.

56

Picc. *tr* *pp* *tr* *mf* *tr* *p*

Fl. 1 *(sempre pp)* *tr* *pp*

Fl. 2 *(sempre pp)* *pp* *mf* *pp*

Ob. 1 *(sempre p)* *p* *mf* *p*

Ob. 2 *p* *p*

C. A. *(sempre p)* *mp* *p* *mf* *p*

Cl. 1 *mp* *f* *ppp* *f* *ppp*

Cl. 2 *ppp* *f*

Cl. 3 *f* *ppp, crescendo poco a poco*

B. Cl. *(sempre mp)*

Sop. Sax. *p* *mf* *p*

Alto Sax. *p* *mp* *p*

Ten. Sax. *p* *mp* *p*

Bari. Sax. *p* *mp* *p*

Bsn. 1 *(sempre p)*

Bsn. 2 *(sempre p)*

Cbsn. *(sempre p)*

Hn. 1 *pp* *pp*

Hn. 2 *pp*

Hn. 3 *mf* *p* *mf* *p* *mf* *p*

Hn. 4 *mf* *p* *mf* *p* *mf* *p*

C Tpt. 1 *(sempre p)* *mp* *p*

C Tpt. 2 *(sempre pp)*

C Tpt. 3 *(sempre pp)*

Tbn. 1 *(sempre p)* *gliss.*

Tbn. 2 *(sempre p)* *gliss.*

Tbn. 3 *(sempre p)* *gliss.*

Euph. *(sempre mp)*

Tba. *(sempre mp)*

Timp.

Perc. 1 (GLOCKENSPIEL)

Perc. 2 (XYLOPHONE) *p*

Perc. 3 (VIBRAPHONE) *p*

Hp.

60

Picc. *f* *p* *mf* *p*

Fl. 1 *f* *p* *mf*

Fl. 2 *f* *p* *mf*

Ob. 1 *f* *p* *mf*

Ob. 2 *f* *p* *mf*

C. A. *f* *p* *mf* *p*

Cl. 1 *f* *ppp* *f*

Cl. 2 *f* *ppp* *f*

Cl. 3 *f* *ppp* *mf*

B. Cl. *f* *ppp* *mf*

Sop. Sax. *f* *mf* *p* *p* *mf*

Alto Sax. *f* *mf* *p* *p* *mf*

Ten. Sax. *f* *mf* *p* *p* *mf*

Bari. Sax. *f* *mf* *p* *p* *mf*

Bsn. 1 *f* *pp* *mf* *p*

Bsn. 2 *f* *pp* *mf* *p*

Cbsn. *f* *pp* *mf* *p*

Hn. 1 *f* *pp* *mf* *p*

Hn. 2 *f* *pp* *mf* *p*

Hn. 3 *f* *pp* *mf* *p*

Hn. 4 *f* *pp* *mf* *p*

C Tpt. 1 *f* *pp* *mf* *p*

C Tpt. 2 *f* *pp* *mf* *p*

C Tpt. 3 *f* *pp* *mf* *p*

Tbn. 1 *f* *pp* *mf* *p*

Tbn. 2 *f* *pp* *mf* *p*

Tbn. 3 *f* *pp* *mf* *p*

Euph. *f* *pp* *mf* *p*

Tba. *f* *pp* *mf* *p*

Timp. *f* *pp* *mf* *p*

Perc. 1 *f* *pp* *mf* *p*

Perc. 2 *f* *pp* *mf* *p*

Perc. 3 *f* *pp* *mf* *p*

Hp. *f* *pp* *mf* *p*

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68

Picc. *pp*

Fl. 1 *(sempre p)*

Fl. 2 *p mp pp*

Ob. 1 *(sempre p)*

Ob. 2 *p mf*

C. A. *p p p mf p*

Cl. 1 *pp mp p pp mp pp*

Cl. 2 *ppp*

Cl. 3 *ppp*

B. Cl.

Sop. Sax. *p mf*

Alto Sax.

Ten. Sax.

Bari. Sax.

Bsn. 1

Bsn. 2

Cbsn.

Hn. 1

Hn. 2

Hn. 3

Hn. 4

C Tpt. 1

C Tpt. 2 *mp mp mf mp*

C Tpt. 3 *mp mp mf mp*

Tbn. 1 *gliss. pp*

Tbn. 2 *gliss. pp*

Tbn. 3 *pp*

Euph.

Tba.

Timp.

Perc. 1

Perc. 2 *ppp*

Perc. 3

Hp. *(sempre f) mf*

poco rit. ♩ = 52-54

72

Picc. *pp* *rit. pp*

Fl. 1 *ppp*

Fl. 2 *ppp*

Ob. 1 *mf*

Ob. 2 *mp* *p* *mf*

C. A. *p* *f* *rit. p*

Cl. 1 *p* *f* *rit. ppp*

Cl. 2 *pp* *p* *mp* *ppp*

Cl. 3 *p* *f* *rit. ppp* *mf*

B. Cl. *p* *mp* *pp* *pp*

Sop. Sax. *p* *f* *p* *mp*

Alto Sax. *p* *mf*

Ten. Sax.

Bari. Sax.

Bsn. 1

Bsn. 2

Cbsn.

Hn. 1

Hn. 2

Hn. 3

Hn. 4

C Tpt. 1

C Tpt. 2 *p*

C Tpt. 3 *p* *pp*

Tbn. 1 *pp*

Tbn. 2

Tbn. 3

Euph.

Tba.

Timp.

Perc. 1 (XYLOPHONE)

Perc. 2 *(sample ppp)* go to Vibraphone

Perc. 3

Hp. *(sample mf)* *mf*

D# C# B | E F# G A

76

Picc. *(sempre pp)*
 Fl. 1 *(sempre ppp)*
 Fl. 2 *mf* *mp* *9* *9* *mf* *pp* *ppp*
 Ob. 1 *p* *mf* *p* *p*
 Ob. 2 *p* *p* *mf*
 C. A. *(sempre p)* *mp*
 Cl. 1 *(sempre ppp)* *mf* *ppp* *rubato ppp*
 Cl. 2 *mf* *ppp* *ppp*
 Cl. 3 *ppp* *mp* *ppp*
 B. Cl. *mp* *p* *mf*
 Sop. Sax. *p* *p* *mf*
 Alto Sax. *p*
 Ten. Sax. *p*
 Bari. Sax.
 Bsn. 1
 Bsn. 2
 Cbsn.
 Hn. 1
 Hn. 2 *p* *mf*
 Hn. 3
 Hn. 4 *p*
 C Tpt. 1
 C Tpt. 2 *p*
 C Tpt. 3
 Tbn. 1 *mp*
 Tbn. 2 *mp* *ppp*
 Tbn. 3
 Euph.
 Tba.
 Timp.
 Perc. 1
 Perc. 2
 Perc. 3
 Hp. *(sempre mf)* *mf* *(fz)*