

### CHARACTERISTICS

Temperature	-20 ÷ 80 °C
Fluid	compressed air
Max pressure	15 bar (based on the type of tube)
Working pressure	9 bar
Body	technopolymer
Fixing elements	nickel-plated brass with O-ring in NBR for parallel thread version (standard) Teflon coating for taper thread version (upon request)
Clamp	stainless steel
Release ring	technopolymer
Application fields	pneumatic circuits
Recommended hoses	polyamide PA 10.12, polyurethane Sh.A98, co-polyurethane Sh.55D

### Flow regulators in technopolymer

#### ■ HC01/HC02

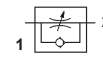
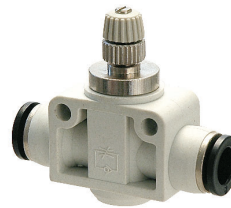
One-way banjo flow regulator



exhaust	supply	∅	connection
HC0104M5	HC0204M5	4	M5
HC0106M5	HC0206M5	6	M5
HC010418	HC020418	4	G1/8
HC010618	HC020618	6	G1/8
HC010818	HC020818	8	G1/8
HC010414	HC020414	4	G1/4
HC010614	HC020614	6	G1/4
HC010814	HC020814	8	G1/4
HC011014	HC021014	10	G1/4
HC010838	HC020838	8	G3/8
HC011038	HC021038	10	G3/8
HC011238	HC021238	12	G3/8
HC011012	HC021012	10	G1/2
HC011212	HC021212	12	G1/2

#### ■ HC04

One-way in-line intermediate flow regulator



	∅1
HC040404	4
HC040606	6
HC040808	8
HC041010	10
HC041212	12

#### ■ HC01T/HC02T

One-way swivel banjo flow regulator - screwdriver slot



exhaust	supply	∅	connection
HC01T0418	HC02T0418	4	G1/8
HC01T0618	HC02T0618	6	G1/8
HC01T0818	HC02T0818	8	G1/8
HC01T1018	HC02T1018	10	G1/8
HC01T1218	HC02T1218	12	G1/8
HC01T0614	HC02T0614	6	G1/4
HC01T0814	HC02T0814	8	G1/4
HC01T1014	HC02T1014	10	G1/4
HC01T1214	HC02T1214	12	G1/4
HC01T0638	HC02T0638	6	G3/8
HC01T0838	HC02T0838	8	G3/8
HC01T1038	HC02T1038	10	G3/8
HC01T1238	HC02T1238	12	G3/8

**CHARACTERISTICS**

Temperature	0 ÷ 70 °C
Fluid	compressed air
Max pressure	10 bar
Working pressure	0,3 ÷ 10 bar

**Flow regulators with metallic body**

■ **HC21/HC22**

One-way banjo flow regulator



	exhaust	supply	Ø	connection
exhaust 	HC2104M5	HC2204M5	4	M5
	HC210418	HC220418	4	G1/8
	HC210618	HC220618	6	G1/8
	HC210818	HC220818	8	G1/8
	HC210614	HC220614	6	G1/4
supply 	HC210814	HC220814	8	G1/4
	HC211014	HC221014	10	G1/4

■ **HC18/HC19**

One-way banjo flow regulator - screwdriver slot



	exhaust	supply	Ø	connection
exhaust 	HC1804M5	HC1904M5	4	M5
	HC180418	HC190418	4	G1/8
	HC180618	HC190618	6	G1/8
	HC180818	HC190818	8	G1/8
	HC180614	HC190614	6	G1/4
supply 	HC180814	HC190814	8	G1/4
	HC181014	HC191014	10	G1/4

■ **HC27/HC28**

One-way threaded flow regulator male/female



	exhaust	supply	connection
exhaust 	HC27M5M5	HC28M5M5	M5
	HC271818	HC281818	G1/8
	HC271414	HC281414	G1/4
	HC273838	HC283838	G3/8
	HC271212	HC281212	G1/2
supply 			

**Non-return valve**

■ **HC13**

Non-return valve F-F



	connection
HC1300M5	M5
HC130018	G1/8
HC130014	G1/4
HC130038	G3/8
HC130012	G1/2

High temperature seals upon request

■ **HC14**

Non-return valve F-M



	connection
HC140018	G1/8
HC140014	G1/4

High temperature seals upon request

■ **HC15**

Non-return valve with push-in tube connections



	Ø
HC150004	4
HC150006	6
HC150008	8

■ **HC17**

Non-return valve threaded connection

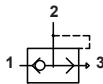


	Ø	connection
HC170418	4	G1/8
HC170618	6	G1/8
HC170818	8	G1/8
HC170614	6	G1/4
HC170814	8	G1/4
HC171038	10	G3/8
HC171238	12	G3/8
HC171012	10	G1/2
HC171212	12	G1/2

Quick exhaust valves

■ HC06

Quick exhaust valve

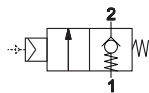


flow rate at 6 bar (NI/min)

	connection	1→2	2→3
HC0600M5	M5	220	300
HC060018	G1/8	680	1100
HC060014	G1/4	1200	2100
HC060038	G3/8	2300	4800
HC060012	G1/2	3400	6100
HC060034	G3/4	3200	8750
HC060001	G1	2900	10.750

Blocking valve

■ HC34



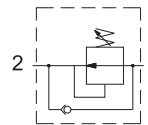
	M	F	flow rate at 6 bar (NI/min)
HC3418M5	G1/8	M5	400
HC3414M5	G1/4	M5	850
HC343818	G3/8	G1/8	1250

HB40 Single ring



Miniature pressure regulator 0 ÷ 8 bar

■ HC35



	connection	flow rate at 6 bar (NI/min)
HC350018	G1/8	580
HC350014	G1/4	750

HB40 Single ring



CHARACTERISTICS

Temperature

-25 ÷ 90 °C

0 ÷ 60 °C (technopolymer HC11-12)

Fluid

compressed air, vacuum

Max pressure

15 bar

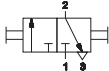
Working pressure

0 ÷ 10 bar

Line manual valve

■ HC05

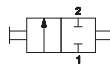
Slide valve



	connection
HC0500M5	M5
HC050018	G1/8
HC050014	G1/4
HC050038	G3/8
HC050012	G1/2
HC050034	G3/4

■ HC07

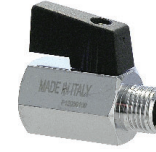
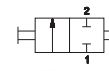
Ball valve F-F



	connection
HC070018	G1/8
HC070014	G1/4
HC070038	G3/8
HC070012	G1/2
HC070034	G3/4

■ HC08

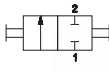
Ball valve M-F



	connection
HC080018	G1/8
HC080014	G1/4
HC080038	G3/8
HC080012	G1/2
HC080034	G3/4

■ HC09

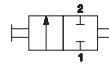
Miniature ball valve F-F with black handle



	connection
HC090018	G1/8
HC090014	G1/4

■ HC10

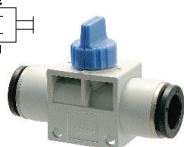
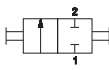
Miniature ball valve M-F with black handle



	connection
HC100018	G1/8
HC100014	G1/4

■ HC11

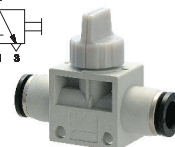
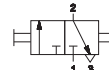
Manual 2/2 minivalve



	Ø
HC110606	6
HC110808	8
HC111010	10
HC111212	12

■ HC12

Manual 3/2 minivalve



	Ø
HC120606	6
HC120808	8
HC121010	10
HC121212	12

Silencers

<p>■ <b>HC51</b> Sintered bronze flat silencer</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5100M5</td><td>M5</td></tr> <tr><td>HC510018</td><td>G1/8</td></tr> <tr><td>HC510014</td><td>G1/4</td></tr> <tr><td>HC510038</td><td>G3/8</td></tr> <tr><td>HC510012</td><td>G1/2</td></tr> <tr><td>HC510034</td><td>G3/4</td></tr> <tr><td>HC510001</td><td>G1</td></tr> <tr><td>HC510112</td><td>G1 1/2</td></tr> </tbody> </table>		connection	HC5100M5	M5	HC510018	G1/8	HC510014	G1/4	HC510038	G3/8	HC510012	G1/2	HC510034	G3/4	HC510001	G1	HC510112	G1 1/2	<p>■ <b>HC52</b> Sintered bronze cone silencer</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5200M5</td><td>M5</td></tr> <tr><td>HC520018</td><td>G1/8</td></tr> <tr><td>HC520014</td><td>G1/4</td></tr> <tr><td>HC520038</td><td>G3/8</td></tr> <tr><td>HC520012</td><td>G1/2</td></tr> <tr><td>HC520034</td><td>G3/4</td></tr> <tr><td>HC520001</td><td>G1</td></tr> </tbody> </table>		connection	HC5200M5	M5	HC520018	G1/8	HC520014	G1/4	HC520038	G3/8	HC520012	G1/2	HC520034	G3/4	HC520001	G1	<p>■ <b>HC53</b> Sintered bronze cone silencer (with square wrench head)</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5300M5</td><td>M5</td></tr> <tr><td>HC530018</td><td>G1/8</td></tr> <tr><td>HC530014</td><td>G1/4</td></tr> <tr><td>HC530038</td><td>G3/8</td></tr> <tr><td>HC530012</td><td>G1/2</td></tr> <tr><td>HC530034</td><td>G3/4</td></tr> <tr><td>HC530001</td><td>G1</td></tr> </tbody> </table>		connection	HC5300M5	M5	HC530018	G1/8	HC530014	G1/4	HC530038	G3/8	HC530012	G1/2	HC530034	G3/4	HC530001	G1
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<p>■ <b>HC54</b> Silencer with exhaust flow regulator (narrow)</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5400M5</td><td>M5</td></tr> <tr><td>HC540018</td><td>G1/8</td></tr> <tr><td>HC540014</td><td>G1/4</td></tr> <tr><td>HC540038</td><td>G3/8</td></tr> <tr><td>HC540012</td><td>G1/2</td></tr> <tr><td>HC540034</td><td>G3/4</td></tr> <tr><td>HC540001</td><td>G1</td></tr> </tbody> </table>		connection	HC5400M5	M5	HC540018	G1/8	HC540014	G1/4	HC540038	G3/8	HC540012	G1/2	HC540034	G3/4	HC540001	G1	<p>■ <b>HC55</b> Silencer with exhaust flow regulator</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5500M5</td><td>M5</td></tr> <tr><td>HC550018</td><td>G1/8</td></tr> <tr><td>HC550014</td><td>G1/4</td></tr> <tr><td>HC550038</td><td>G3/8</td></tr> <tr><td>HC550012</td><td>G1/2</td></tr> <tr><td>HC550034</td><td>G3/4</td></tr> <tr><td>HC550001</td><td>G1</td></tr> </tbody> </table>		connection	HC5500M5	M5	HC550018	G1/8	HC550014	G1/4	HC550038	G3/8	HC550012	G1/2	HC550034	G3/4	HC550001	G1	<p>■ <b>HC56</b> Technopolymer dynamic silencer</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC560018</td><td>G1/8</td></tr> <tr><td>HC560014</td><td>G1/4</td></tr> <tr><td>HC560038</td><td>G3/8</td></tr> <tr><td>HC560012</td><td>G1/2</td></tr> <tr><td>HC560034</td><td>G3/4</td></tr> <tr><td>HC560001</td><td>G1</td></tr> </tbody> </table>		connection	HC560018	G1/8	HC560014	G1/4	HC560038	G3/8	HC560012	G1/2	HC560034	G3/4	HC560001	G1				
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<p>■ <b>HC57</b> Polyethylene plastic silencer</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5700M5</td><td>M5</td></tr> <tr><td>HC570018</td><td>G1/8</td></tr> <tr><td>HC570014</td><td>G1/4</td></tr> <tr><td>HC570038</td><td>G3/8</td></tr> <tr><td>HC570012</td><td>G1/2</td></tr> <tr><td>HC570034</td><td>G3/4</td></tr> <tr><td>HC570001</td><td>G1</td></tr> </tbody> </table>		connection	HC5700M5	M5	HC570018	G1/8	HC570014	G1/4	HC570038	G3/8	HC570012	G1/2	HC570034	G3/4	HC570001	G1	<p>■ <b>HC58</b> Technopolymer silencer</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC580018</td><td>G1/8</td></tr> <tr><td>HC580014</td><td>G1/4</td></tr> <tr><td>HC580038</td><td>G3/8</td></tr> <tr><td>HC580012</td><td>G1/2</td></tr> <tr><td>HC580034</td><td>G3/4</td></tr> <tr><td>HC580001</td><td>G1</td></tr> </tbody> </table>		connection	HC580018	G1/8	HC580014	G1/4	HC580038	G3/8	HC580012	G1/2	HC580034	G3/4	HC580001	G1	<p>■ <b>HC59</b> Silencer with dome-shaped steel head</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC5900M5</td><td>M5</td></tr> <tr><td>HC590018</td><td>G1/8</td></tr> <tr><td>HC590014</td><td>G1/4</td></tr> <tr><td>HC590038</td><td>G3/8</td></tr> <tr><td>HC590012</td><td>G1/2</td></tr> <tr><td>HC590034</td><td>G3/4</td></tr> <tr><td>HC590001</td><td>G1</td></tr> </tbody> </table>		connection	HC5900M5	M5	HC590018	G1/8	HC590014	G1/4	HC590038	G3/8	HC590012	G1/2	HC590034	G3/4	HC590001	G1				
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<p>■ <b>HC60</b> Cone silencer with hexagon nipple</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC6000M5</td><td>M5</td></tr> <tr><td>HC600018</td><td>G1/8</td></tr> <tr><td>HC600014</td><td>G1/4</td></tr> <tr><td>HC600038</td><td>G3/8</td></tr> <tr><td>HC600012</td><td>G1/2</td></tr> <tr><td>HC600034</td><td>G3/4</td></tr> <tr><td>HC600001</td><td>G1</td></tr> <tr><td>HC600112</td><td>G1 1/2</td></tr> </tbody> </table>		connection	HC6000M5	M5	HC600018	G1/8	HC600014	G1/4	HC600038	G3/8	HC600012	G1/2	HC600034	G3/4	HC600001	G1	HC600112	G1 1/2	<p>■ <b>HC61</b> Recessed silencer</p>  <table border="0"> <thead> <tr> <th></th> <th>connection</th> </tr> </thead> <tbody> <tr><td>HC6100M5</td><td>M5</td></tr> <tr><td>HC610018</td><td>G1/8</td></tr> <tr><td>HC610014</td><td>G1/4</td></tr> <tr><td>HC610038</td><td>G3/8</td></tr> <tr><td>HC610012</td><td>G1/2</td></tr> <tr><td>HC610034</td><td>G3/4</td></tr> <tr><td>HC610001</td><td>G1</td></tr> </tbody> </table>		connection	HC6100M5	M5	HC610018	G1/8	HC610014	G1/4	HC610038	G3/8	HC610012	G1/2	HC610034	G3/4	HC610001	G1																	
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HC600014	G1/4																																																			
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HC600034	G3/4																																																			
HC600001	G1																																																			
HC600112	G1 1/2																																																			
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