

**CHARACTERISTICS**

Temperature	-10 ÷ 80 °C (based on the type of tube)
Fluid	compressed air, vacuum
Working pressure	-0,99 ÷ 10 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

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<p><b>HA02</b> Smooth body straight parallel male</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: left;">Ø</th> <th style="text-align: left;">connection</th> </tr> </thead> <tbody> <tr><td>HA0204M5</td><td>4</td><td>M5</td></tr> <tr><td>HA0206M5</td><td>6</td><td>M5</td></tr> <tr><td>HA020418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA020618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA020818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA020414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA020614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA020814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA021014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA020838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA021038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA021238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA021012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA021212</td><td>12</td><td>G1/2</td></tr> </tbody> </table>		Ø	connection	HA0204M5	4	M5	HA0206M5	6	M5	HA020418	4	G1/8	HA020618	6	G1/8	HA020818	8	G1/8	HA020414	4	G1/4	HA020614	6	G1/4	HA020814	8	G1/4	HA021014	10	G1/4	HA020838	8	G3/8	HA021038	10	G3/8	HA021238	12	G3/8	HA021012	10	G1/2	HA021212	12	G1/2	<p><b>HA04</b> Straight parallel male</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: left;">Ø</th> <th style="text-align: left;">connection</th> </tr> </thead> <tbody> <tr><td>HA0404M5</td><td>4</td><td>M5</td></tr> <tr><td>HA0406M5</td><td>6</td><td>M5</td></tr> <tr><td>HA040418</td><td>4</td><td>G1/8</td></tr> <tr><td>HA040618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA040818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA040414</td><td>4</td><td>G1/4</td></tr> <tr><td>HA040614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA040814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA041014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA040838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA041038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA041238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA041012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA041212</td><td>12</td><td>G1/2</td></tr> </tbody> </table>		Ø	connection	HA0404M5	4	M5	HA0406M5	6	M5	HA040418	4	G1/8	HA040618	6	G1/8	HA040818	8	G1/8	HA040414	4	G1/4	HA040614	6	G1/4	HA040814	8	G1/4	HA041014	10	G1/4	HA040838	8	G3/8	HA041038	10	G3/8	HA041238	12	G3/8	HA041012	10	G1/2	HA041212	12	G1/2	<p><b>HA06</b> Plastic straight parallel male</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: left;">Ø</th> <th style="text-align: left;">connection</th> </tr> </thead> <tbody> <tr><td>HA060618</td><td>6</td><td>G1/8</td></tr> <tr><td>HA060818</td><td>8</td><td>G1/8</td></tr> <tr><td>HA060614</td><td>6</td><td>G1/4</td></tr> <tr><td>HA060814</td><td>8</td><td>G1/4</td></tr> <tr><td>HA061014</td><td>10</td><td>G1/4</td></tr> <tr><td>HA060838</td><td>8</td><td>G3/8</td></tr> <tr><td>HA061038</td><td>10</td><td>G3/8</td></tr> <tr><td>HA061238</td><td>12</td><td>G3/8</td></tr> <tr><td>HA061012</td><td>10</td><td>G1/2</td></tr> <tr><td>HA061212</td><td>12</td><td>G1/2</td></tr> </tbody> </table>		Ø	connection	HA060618	6	G1/8	HA060818	8	G1/8	HA060614	6	G1/4	HA060814	8	G1/4	HA061014	10	G1/4	HA060838	8	G3/8	HA061038	10	G3/8	HA061238	12	G3/8	HA061012	10	G1/2	HA061212	12	G1/2									
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**HA21**  
Intermediate lateral Tee



	Ø1	Ø2
HA210400	4	4
HA210600	6	6
HA210800	8	8
HA211000	10	10
HA211200	12	12
HA211008	10	8
HA210810	8	10

**HA22**  
Intermediate cross



	Ø
HA220400	4
HA220600	6
HA220800	8
HA221000	10
HA221200	12

**HA23**  
Intermediate Y connector



	Ø1	Ø2
HA230404	4	4
HA230604	6	4
HA230606	6	6
HA230806	8	6
HA230808	8	8
HA231008	10	8
HA231010	10	10
HA231210	12	10
HA231212	12	12

**HA24**  
Reducing stem



	Ø1	Ø2
HA240406	4	6
HA240408	4	8
HA240608	6	8
HA240610	6	10
HA240810	8	10
HA240812	8	12
HA241012	10	12

**HA25**  
Y connector with male stem




	Ø
HA250400	4
HA250600	6
HA250800	8
HA251000	10
HA251200	12

**HA26**  
Plug




	Ø
HA260400	4
HA260600	6
HA260800	8
HA261000	10
HA261200	12

**HA27**  
Swivel banjo connector (parallel male thread) with wrench head



	Ø	connection
HA2704M5	4	M5
HA2706M5	6	M5
HA270418	4	G1/8
HA270618	6	G1/8
HA270818	8	G1/8
HA270614	6	G1/4
HA270814	8	G1/4
HA271014	10	G1/4
HA270838	8	G3/8
HA271038	10	G3/8
HA271238	12	G3/8
HA271012	10	G1/2
HA271212	12	G1/2

**HA28**  
Swivel banjo connector parallel male-female



	Ø	connection
HA2804M5	4	M5
HA2806M5	6	M5
HA280418	4	G1/8
HA280618	6	G1/8
HA280818	8	G1/8
HA280614	6	G1/4
HA280814	8	G1/4
HA281014	10	G1/4
HA280838	8	G3/8
HA281038	10	G3/8
HA281238	12	G3/8
HA281012	10	G1/2
HA281212	12	G1/2

**HA29**  
Triple branch lateral Tee




	Ø
HA290400	4
HA290600	6
HA290800	8

**HA30**  
Triple branch lateral Tee




	Ø1	Ø2
HA300604	6	4
HA300804	8	4
HA300806	8	6
HA301006	10	6
HA301008	10	8

**HA31**  
Triple branch lateral Tee male thread



	Ø1	Ø2	connection
HA314618	6	4	G1/8
HA314814	8	4	G1/4
HA316814	8	6	G1/4
HA318138	10	8	G3/8
HA318112	10	8	G1/2

**HA32**  
Triple branch lateral Tee male thread




	Ø	connection
HA320418	4	G1/8
HA320618	6	G1/8
HA320818	8	G1/8
HA320414	4	G1/4
HA320614	6	G1/4
HA320814	8	G1/4
HA320638	6	G3/8
HA320838	8	G3/8

**HA33**  
Bulkhead connector



	Ø
HA330004	4
HA330006	6
HA330008	8
HA330010	10
HA330012	12

**HA34**  
Threaded bulkhead connector



	Ø	connection
HA340418	4	G1/8
HA340618	6	G1/8
HA340818	8	G1/8
HA340414	4	G1/4
HA340614	6	G1/4
HA340814	8	G1/4
HA341014	10	G1/4
HA340838	8	G3/8
HA341038	10	G3/8
HA341238	12	G3/8
HA341012	10	G1/2
HA341212	12	G1/2

**HA35**  
Elbow bulkhead connector



	Ø
HA350004	4
HA350006	6
HA350008	8
HA350010	10
HA350012	12

■ **HA38**  
Stem elbow



	Ø
HA380400	4
HA380600	6
HA380800	8
HA381000	10
HA381200	12

■ **HA41**  
Swivel banjo connector (parallel thread) with allen head



	Ø	connection
HA410418	4	G1/8
HA410618	6	G1/8
HA410818	8	G1/8
HA410414	4	G1/4
HA410614	6	G1/4
HA410814	8	G1/4
HA411014	10	G1/4
HA411214	12	G1/4
HA410438	4	G3/8
HA410638	6	G3/8
HA410838	8	G3/8
HA411038	10	G3/8
HA411238	12	G3/8
HA411012	10	G1/2
HA411212	12	G1/2

■ **HA42**  
Double banjo connector (parallel thread) with allen head



	Ø	connection
HA420418	4	G1/8
HA420618	6	G1/8
HA420818	8	G1/8
HA420414	4	G1/4
HA420614	6	G1/4
HA420814	8	G1/4
HA421014	10	G1/4
HA421214	12	G1/4
HA420438	4	G3/8
HA420638	6	G3/8
HA420838	8	G3/8
HA421038	10	G3/8
HA421238	12	G3/8
HA421012	10	G1/2
HA421212	12	G1/2

■ **HA43**  
Triple banjo connector (parallel thread) with allen head



	Ø	connection
HA430418	4	G1/8
HA430618	6	G1/8
HA430818	8	G1/8
HA430414	4	G1/4
HA430614	6	G1/4
HA430814	8	G1/4
HA431014	10	G1/4
HA431214	12	G1/4
HA430438	4	G3/8
HA430638	6	G3/8
HA430838	8	G3/8
HA431038	10	G3/8
HA431238	12	G3/8
HA431012	10	G1/2
HA431212	12	G1/2

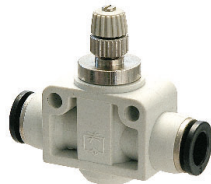
■ **Teflon coated taper thread**  
(available upon request for all HA models)



■ **HC01/HC02**



■ **HC04**



■ **HC01T/HC02T**



■ **HC01L/HC02L**



Technopolymer flow regulators