

PIPING SYSTEMS

Stainless steel



NiroSan® Gas

Series 17000

combipress
 = Tool Compatibility + Push & Stay
 + Leak Path Feature
exclusive from SANHA

AREAS OF APPLICATION

- | Natural gas, liquid gas (up to PN 5)
- | Ship building



NiroSan® Gas

Series 17000

The piping system consists of high-quality NiroSan® press fittings with yellow moulded sealing rings made of HNBR (hydrogenated nitrile butadiene rubber) and NiroSan® stainless steel system pipes according to EN 10312.

All NiroSan® press fittings are made of the material 1.4404 / AISI 316L and 1.4408 (for threaded fittings and stainless steel precision castings). The material contains at a minimum of 2.3 % molybdenum and a lower carbon content than the conventional steel quality 316. For this reason material no 1.4404/316L is a superior material with higher corrosion resistance than standard stainless steels.

The NiroSan® press system is certified in accordance with all relevant international certification bodies.

Operating conditions for the NiroSan® Gas press system

Flammable gases

Outside pipe diameter	$d \leq 168.3$ mm
Operating pressure	5 bar
Operating temperature NiroSan® Gas press fittings with HNBR-seal	-20 °C – +70 °C
Pipe thread	R/Rp thread according to EN 10226,
Fastening thread (union nut)	G thread according to ISO 228

Please pay particular attention to our technical documentation and installation instructions! Technical customer support: If you have technical questions regarding our systems or the fields of application you can contact us at uk@sanha.com or 01628 819245.

FEATURES

combipress

- **Tool compatibility:** pressable with press jaws and slings with original SA, V and M profile up to and including 54 mm
- **Leak path feature:** (certified forced leakage before pressing with EPDM and HNBR sealing rings) in combination with
- **Push & Stay:** Pipe is retained after locating into the SANHA fitting, this feature is inclusive on fittings up to 54 mm

Fast installation, no risk of fire

- The connection with stainless steel pipes by cold pressing enables a fast, time-saving installation and eliminates the risk of fire during the process. NiroSan® piping systems are therefore ideally suited for renovation work.

High corrosion resistance

- The premium stainless steel type 1.4404 (316L) and the exceptionally smooth, passivated surface of pipes and fittings lead to an excellent corrosion resistance.

Great flexibility

- All dimensions from 15 to 168.3 mm
- Reliable, permanent connection with NiroSan® stainless steel system pipes:
 - **NiroSan®** (1.4404/316L), TIG-welded, annealed, low carbon, high ($\geq 2.3\%$) molybdenum content for increased corrosion resistance. Labelled in black lettering.
 - **NiroSan® ECO** (1.4404/316L), optimised wall thickness, TIG-welded, annealed, low carbon, high ($\geq 2.3\%$) molybdenum content for increased corrosion resistance.
- Thread according to EN 10226 and/or ISO7/1 Typ R and Rp

Product catalogue | (Series 17000)

9000

AUG 472

NiroSan[®] system pipe,
material no. 1.4404 (316 L), in 6 m rods



Article No.	Dimension	Bag*	Box	
6900015	15 x 1.0	600	o.r.	
6900018	18 x 1.0	348	o.r.	
6900022	22 x 1.2	420	o.r.	
6900028	28 x 1.2	240	o.r.	
6900035	35 x 1.5	180	o.r.	
6900042	42 x 1.5	120	o.r.	
6900054	54 x 1.5	60	o.r.	
6900064	64 x 2.0	60	o.r.	
6900076	76.1 x 2.0	30	o.r.	
6900089	88.9 x 2.0	30	o.r.	
6900108	108.0 x 2.0	30	o.r.	
69000140	139.7 x 2.6		o.r.	
69000168	168.3		o.r.	

9500

AUG 472

NiroSan[®] system pipe,
material no. 1.4404 (316 L), in 3 m rods



Article No.	Dimension	Bag*	Box	
6950015	15 x 1.0	300	o.r.	
6950018	18 x 1.0	174	o.r.	
6950022	22 x 1.2	210	o.r.	
6950028	28 x 1.2	120	o.r.	
6950035	35 x 1.5	90	o.r.	
6950042	42 x 1.5	60	o.r.	
6950054	54 x 1.5	30	o.r.	
6950076	76.1 x 2.0	15	o.r.	
6950089	88.9 x 2.0	15	o.r.	
69500108	108.0 x 2.0	15	o.r.	

17001A

AUG 010

Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box	
617001A15	15	10	200	
617001A18	18	10	150	

17001A

AUG 010

Bend 90°, female/male plain end



Article No.	Dimension	Bag	Box	
617001A22	22	10	100	
617001A28	28	5	60	
617001A35	35	2	30	
617001A42	42	2	20	
617001A54	54	2	10	
617001A76	76.1	1	4	
617001A89	88.9	1	2	
617001A108	108.0	1	1	

17002A

AUG 010

Bend 90°, female/female end



Article No.	Dimension	Bag	Box	
617002A15	15	10	200	
617002A18	18	10	150	
617002A22	22	10	100	
617002A28	28	5	60	
617002A35	35	2	30	
617002A42	42	2	20	
617002A54	54	2	10	
617002A76	76.1	1	4	
617002A89	88.9	1	2	
617002A108	108.0	1	1	
617002A168	168.3	1		

17002G

AUG 010

Bend 90°, female end and female thread



Article No.	Dimension	Bag	Box	
617002G1512	15 x 1/2	10	100	
617002G1834	18 x 3/4	10	70	
617002G2234	22 x 3/4	10	60	
617002G281	28 x 1	5	30	
617002G35114	35 x 1 1/4	2	20	

Product catalogue | (Series 17000)

17002AG

AUG 010

Bend 90°, female end and male thread



Article No.	Dimension	Bag	Box
617002AG1512	15 x 1/2	10	120
617002AG1812	18 x 1/2	10	100
617002AG1834	18 x 3/4	10	80
617002AG2234	22 x 3/4	10	80
617002AG281	28 x 1	5	40
617002AG35114	35 x 1 1/4	2	20
617002AG42112	42 x 1 1/2	2	10
617002AG542	54 x 2	2	6

17040

AUG 010

Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
61704022	22	10	120
61704028	28	5	80
61704035	35	2	40
61704042	42	2	26
61704054	54	2	14
61704076	76.1	1	5
61704089	88.9	1	3
617040108	108.0	1	2

9003

AUG 009

Bend 90°, male plain ends



Article No.	Dimension	Bag	Box
6900315	15	10	100
6900318	18	10	80
6900322	22	10	50
6900328	28	5	30
6900335	35	2	20
6900342	42	2	10
6900354	54	2	6

17041

AUG 010

NiroSan Gas Bend 45°, female/female end



Article No.	Dimension	Bag	Box
61704115	15	10	250
61704118	18	10	200
61704122	22	10	120
61704128	28	5	65
61704135	35	2	44
61704142	42	2	26
61704154	54	2	14
61704176	76.1	1	5
61704189	88.9	1	3
617041108	108.0	1	2
617041168	168.3	1	

9003G

AUG 009

Bend 90°, male plain end and female thread



Article No.	Dimension	Bag	Box
69003G1812	18 x 1/2	10	80

17040

AUG 010

Bend 45°, female/male plain end



Article No.	Dimension	Bag	Box
61704015	15	10	250
61704018	18	10	200

9042

AUG 009

Bend 45°, male plain ends



Article No.	Dimension	Bag	Box
6904215	15	10	100
6904218	18	10	90
6904235	35	2	20
6904242	42	2	6

Product catalogue | (Series 17000)

9043

AUG 009

Bend 15°, male plain ends



Article No.	Dimension	Bag	Box
6904315	15	10	100
6904318	18	10	90

9044

AUG 009

Bend 30°, male plain ends



Article No.	Dimension	Bag	Box
6904415	15	10	100
6904418	18	10	90

9045

AUG 009

Bend 75°, male plain ends



Article No.	Dimension	Bag	Box
6904515	15	10	130
6904518	18	10	80
6904522	22	10	60
6904535	35	2	20
6904542	42	2	10

9058

AUG 009

Bend 60°, male plain ends



Article No.	Dimension	Bag	Box
6905818	18	10	80
6905828	28	5	40
6905842	42	2	10
6905889	88.9	1	3
69058108	108.0	1	1

9087

AUG 009

Crossover, male/male plain end



Article No.	Dimension	Bag	Box
6908715	15	10	120
6908718	18	10	80
6908722	22	10	50
6908728	28	5	40

17090IG

AUG 010

Elbow 90°, female end and female thread



Article No.	Dimension	Bag	Box
617090IG1512	15 x 1/2	10	180
617090IG1834	18 x 3/4	10	120
617090IG2234	22 x 3/4	10	100
617090IG281	28 x 1	5	50
617090IG35114	35 x 1 1/4	2	30

17092AG

AUG 010

Elbow 90°, female end and male thread



Article No.	Dimension	Bag	Box
617092AG1512	15 x 1/2	10	200
617092AG1834	18 x 3/4	10	120
617092AG2234	22 x 3/4	10	100
617092AG2834	28 x 3/4	5	75
617092AG281	28 x 1	5	50
617092AG35114	35 x 1 1/4	2	40

17130

AUG 010

Tee, female ends



Article No.	Dimension	Bag	Box
61713015	15	10	120
61713018	18	10	80
61713022	22	10	60

Product catalogue | (Series 17000)

17130

AUG 010

Tee, female ends



Article No.	Dimension	Bag	Box
61713028	28	5	40
61713035	35	2	24
61713042	42	2	16
61713054	54	2	8
61713076	76.1	1	3
61713089	88.9	1	2
617130108	108.0	1	1
617130168	168.3	1	
617130181515	18 x 15 x 15	10	120
617130181518	18 x 15 x 18	10	100
617130221515	22 x 15 x 15	10	100
617130221522	22 x 15 x 22	10	70
617130221818	22 x 18 x 18	10	80
617130221822	22 x 18 x 22	10	60
617130281528	28 x 15 x 28	5	50
617130281828	28 x 18 x 28	5	40
617130282222	28 x 22 x 22	5	60
617130282228	28 x 22 x 28	5	40
617130351535	35 x 15 x 35	2	30
617130351835	35 x 18 x 35	2	30
617130352235	35 x 22 x 35	2	26
617130352835	35 x 28 x 35	2	26
617130421842	42 x 18 x 42	2	22
617130422242	42 x 22 x 42	2	18
617130422842	42 x 28 x 42	2	18
617130423542	42 x 35 x 42	2	16
617130542254	54 x 22 x 54	2	10
617130542854	54 x 28 x 54	2	10
617130543554	54 x 35 x 54	2	8
617130544254	54 x 42 x 54	2	8
617130762276	76.1 x 22 x 76.1	1	5
617130762876	76.1 x 28 x 76.1	1	5
617130763576	76.1 x 35 x 76.1	1	5
617130764276	76.1 x 42 x 76.1	1	5
617130765476	76.1 x 54 x 76.1	1	4
617130892289	88.9 x 22 x 88.9	1	4
617130892889	88.9 x 28 x 88.9	1	4
617130893589	88.9 x 35 x 88.9	1	4
617130894289	88.9 x 42 x 88.9	1	3
617130895489	88.9 x 54 x 88.9	1	3

17130

AUG 010

Tee, female ends



Article No.	Dimension	Bag	Box
617130897689	88.9 x 76.1 x 88.9	1	2
61713010822108	108.0 x 22 x 108.0	1	2
61713010835108	108.0 x 35 x 108.0	1	2
61713010842108	108.0 x 42 x 108.0	1	2
61713010854108	108.0 x 54 x 108.0	1	1
61713010876108	108.0 x 76.1 x 108.0	1	1
61713010889108	108.0 x 88.9 x 108.0	1	1
61713016876168	168.3 x 76.1 x 168.3	1	
61713016889168	168.3 x 88.9 x 168.3	1	
617130168108168	168.3 x 108.0 x 168.3	1	

17130G

AUG 010

Tee, female/female end and female thread



Article No.	Dimension	Bag	Box
617130G151215	15 x 1/2 x 15	10	80
617130G181218	18 x 1/2 x 18	10	80
617130G183418	18 x 3/4 x 18	10	70
617130G221222	22 x 1/2 x 22	5	60
617130G223422	22 x 3/4 x 22	10	50
617130G281228	28 x 1/2 x 28	5	40
617130G283428	28 x 3/4 x 28	5	40
617130G28128	28 x 1 x 28	5	40
617130G351235	35 x 1/2 x 35	2	30
617130G353435	35 x 3/4 x 35	2	30
617130G3511435	35 x 1 1/4 x 35	2	24
617130G421242	42 x 1/2 x 42	2	20
617130G423442	42 x 3/4 x 42	2	20
617130G4211242	42 x 1 1/2 x 42	2	12
617130G541254	54 x 1/2 x 54	2	12
617130G543454	54 x 3/4 x 54	2	12
617130G54254	54 x 2 x 54	2	8
617130G763476	76.1 x 3/4 x 76.1	1	4
617130G76276	76.1 x 2 x 76.1	1	4
617130G893489	88.9 x 3/4 x 88.9	1	4
617130G89289	88.9 x 2 x 88.9	1	4
617130G10834108	108.0 x 3/4 x 108.0	1	2
617130G1082108	108.0 x 2 x 108.0	1	2

Product catalogue | (Series 17000)

17243

AUG 010

Fitting reducer, with female end and male plain end



Article No.	Dimension	Bag	Box
6172431815	18a x 15	10	300
6172432215	22a x 15	10	200
6172432218	22a x 18	10	200
6172432815	28a x 15	5	120
6172432818	28a x 18	5	100
6172432822	28a x 22	5	120
6172433518	35a x 18	2	70
6172433522	35a x 22	2	70
6172433528	35a x 28	2	60
6172434222	42a x 22	2	40
6172434228	42a x 28	2	40
6172434235	42a x 35	2	40
6172435428	54a x 28	2	30
6172435435	54a x 35	2	30
6172435442	54a x 42	2	30
6172437654	76.1a x 54	2	16
6172438954	88.9a x 54	2	8
6172438976	88.9a x 76.1	2	8
61724310854	108.0a x 54	2	4
61724310876	108.0a x 76.1	2	4
61724310889	108.0a x 88.9	2	4
61724316889	168.3a x 88.9	1	
617243168108	168.3a x 108.0	1	

17243G

AUG 010

Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
617243G1538	15 x 3/8	10	300
617243G1512	15 x 1/2	10	250
617243G1534	15 x 3/4	10	200
617243G1812	18 x 1/2	10	250
617243G1834	18 x 3/4	10	170
617243G2212	22 x 1/2	10	180
617243G2234	22 x 3/4	10	150
617243G221	22 x 1	10	100
617243G2834	28 x 3/4	5	100

17243G

AUG 010

Adaptor, with female end and male thread



Article No.	Dimension	Bag	Box
617243G281	28 x 1	5	90
617243G351	35 x 1	2	60
617243G35114	35 x 1 1/4	2	40
617243G42112	42 x 1 1/2	2	30
617243G542	54 x 2	2	20
617243G76212	76.1 x 2 1/2	1	8
617243G893	88.9 x 3	1	6
617243G1084	108.0 x 4	1	4

9246G

AUG 009

Female Insert Adaptor, with male plain end and female thread



Article No.	Dimension	Bag	Box
69246G1512	15a x 1/2	10	200
69246G1812	18a x 1/2	10	200
69246G1834	18a x 3/4	10	150
69246G2212	22a x 1/2	10	180
69246G2234	22a x 3/4	10	120
69246G2834	28a x 3/4	5	100

17270

AUG 010

Coupling, female/female end



Article No.	Dimension	Bag	Box
61727015	15	10	300
61727018	18	10	200
61727022	22	10	150
61727028	28	5	80
61727035	35	2	50
61727042	42	2	30
61727054	54	2	24
61727076	76.1	1	10
61727089	88.9	1	6
617270108	108.0	1	4
617270168	168.3	1	

Product catalogue | (Series 17000)

17270G

AUG 010

Female Adaptor, with female end and female thread



Article No.	Dimension	Bag	Box
617270G1512	15 x 1/2	10	200
617270G1534	15 x 3/4	10	180
617270G1812	18 x 1/2	10	200
617270G1834	18 x 3/4	10	170
617270G2212	22 x 1/2	10	170
617270G2234	22 x 3/4	10	150
617270G221	22 x 1	10	120
617270G2834	28 x 3/4	5	100
617270G281	28 x 1	5	80
617270G35114	35 x 1 1/4	2	36
617270G42112	42 x 1 1/2	2	28
617270G542	54 x 2	2	20

17270S

AUG 010

Slip coupling, female/female end



Article No.	Dimension	Bag	Box
617270S15	15	10	200
617270S18	18	10	150
617270S22	22	10	100
617270S28	28	5	80
617270S35	35	2	50
617270S42	42	2	40
617270S54	54	2	20
617270S76	76.1	1	10
617270S89	88.9	1	4
617270S108	108.0	1	3

9280

AUG 009

Threaded adaptor, male/male thread



Article No.	Dimension	Bag	Box
6928012	1/2	10	230
6928034	3/4	10	140
692801	1	5	120

9280G

AUG 009

Male Insert Adaptor, with male plain end



Article No.	Dimension	Bag	Box
69280G1512	15a x 1/2	10	200
69280G1812	18a x 1/2	10	150
69280G1834	18a x 3/4	10	180
69280G2212	22a x 1/2	10	120
69280G2234	22a x 3/4	10	100
69280G281	28a x 1	5	100
69280G542	54a x 2	2	20

17301

AUG 010

Cap, female end



Article No.	Dimension	Bag	Box
61730115	15	10	400
61730118	18	10	300
61730122	22	10	200
61730128	28	5	150
61730135	35	2	80
61730142	42	2	50
61730154	54	2	30

17330GMVA

AUG 010

Union, with flat seal, stainless steel nut, with female end and female thread



Article No.	Dimension	Bag	Box
617330GMVA1512	15 x 1/2	5	120
617330GMVA1534	15 x 3/4	5	100
617330GMVA1834	18 x 3/4	5	80
617330GMVA2234	22 x 3/4	5	50
617330GMVA221	22 x 1	5	50
617330GMVA2834	28 x 3/4	5	50
617330GMVA281	28 x 1	5	40
617330GMVA35114	35 x 1 1/4	2	30
617330GMVA42112	42 x 1 1/2	2	20
617330GMVA542	54 x 2	2	12

Product catalogue I (Series 17000)

17333GMVA

AUG 010

Union, with flat seal, stainless steel nut, with female end and male thread



Article No.	Dimension	Bag	Box
617333GMVA1512	15 x 1/2	5	150
617333GMVA1534	15 x 3/4	5	120
617333GMVA1812	18 x 1/2	5	100
617333GMVA2234	22 x 3/4	5	60
617333GMVA281	28 x 1	5	50
617333GMVA35114	35 x 1 1/4	2	40
617333GMVA42112	42 x 1 1/2	2	20
617333GMVA542	54 x 2	2	12

17359M

AUG 010

Union adaptor with flat seal, stainless steel nut, female end



Article No.	Dimension	Bag	Box
617359M1512	15 x 1/2	5	250
617359M1534	15 x 3/4	5	200
617359M1834	18 x 3/4	5	200
617359M221	22 x 1	5	130
617359M28114	28 x 1 1/4	5	50
617359M35112	35 x 1 1/2	5	50
617359M42134	42 x 1 3/4	2	34
617359M54238	54 x 2 3/8	2	20

17360G

AUG 010

Union adaptor, conical sealing, female end and fastening screw thread, for gas meter valve, for single-pipe meters



Article No.	Dimension	Bag	Box
6173601578	15 x 7/8	5	150
61736022118	22 x 1 1/8	5	100

9370G

AUG 009

Threaded hexagon adaptor, female/male thread



Article No.	Dimension	Bag	Box
69370G3434	3/4 x 3/4	5	120
69370G11	1 x 1	5	100

17472G

AUG 010

Wall plate with universal flange, with female end and female thread



Article No.	Dimension	Bag	Box
617472G1512	15 x 1/2	10	90
617472G1812	18 x 1/2	10	80
617472G2234	22 x 3/4	10	60
617472G2834	28 x 3/4	5	

9918

AUG 501

Stainless steel bracket, with sound insulation



Article No.	Dimension	Bag	Box
6991812	12	10	400
6991815	15	10	300
6991818	18	10	200
6991822	22	10	180
6991828	28	5	150
6991835	35	2	100
6991842	42	2	100
6991854	54	2	80
6991876	76.1	1	20
6991889	88.9	1	20
69918108	108.0	1	20

9919

AUG 501

Steel bracket, with sound insulation



Article No.	Dimension	Bag	Box
6991912	12	10	300
6991915	15	10	300
6991918	18	10	200
6991922	22	10	180
6991928	28	5	150
6991935	35	2	100
6991942	42	2	100
6991954	54	2	60
6991976	76.1	1	20
6991989	88.9	1	20
69919108	108.0	1	20

Product catalogue | (Series 17000)

17-VA-PF

AUG 010

Crimping flange, with female end, for gas installation



Article No.	Dimension	Bag	Box
617VAPF18	DN 15 / 18 mm	1	20
617VAPF22	DN 20 / 22 mm	1	16
617VAPF28	DN 25 / 28 mm	1	14
617VAPF35	DN 32 / 35 mm	1	10
617VAPF42	DN 40 / 42 mm	1	8
617VAPF54	DN 50 / 54 mm	1	3
617VAPF76	DN 65 / 76.1 mm	1	2
617VAPF89	DN 80 / 88.9 mm	1	2
617VAPF108	DN 100 / 108.0 mm	1	1
617VAPF168	168.3 mm	1	

17-VA-PF-L4

AUG 010

Flange, 4-hole



Article No.	Dimension	Bag	Box
617VAPF76L4	DN 65 / 76.1 mm	1	2

8981

AUG 556

Universal insulation plate for mounting on wall plates and double wall plates, also suitable for installation set



Article No.	Dimension	Bag	Box
88981		1	30

FL-D

AUG 602

High-pressure flange seal, asbestos-free, suitable for weld neck, threaded, press and loose flanges, max. 400°C, resistant against water, vapour, fuels, diluted alkaline solutions, oils, gases (DVGW tested according to DIN 3535 Part 6). Dimensions according to DIN EN 1514 - 1. 2 mm thick for flanges. PN 10/16 = DIN EN 1092-1 and DIN EN 1092-2



Article No.	Dimension	Bag	Box
1D20	DN 20 (27 x 61 x 2 mm)		200
1D25	DN 25 (34 x 71 x 2 mm)		160
1D32	DN 32 (43 x 82 x 2 mm)		120
1D40	DN 40 (49 x 92 x 2 mm)		100
1D50	DN 50 (61 x 107 x 2 mm)		120
1D65	DN 65 (77 x 127 x 2 mm)		100
1D80	DN 80 (89 x 142 x 2 mm)		80
1D100	DN 100 (115 x 168 x 2 mm)		60

4992

AUG 556

Insertion depth gauge for NiroSan® and NiroTherm®



Article No.	Dimension	Bag	Box
84992	12 - 108 mm	1	40