

FITTINGS AND SERVICE VALVES - UNIVERSAL PARTS

hose clamps



fig.	order no.	Qty	grip surface (mm)	material	tape (mm)	fig.	order no.	Qty	grip surface (mm)	material	tape (mm)
1	520110	10	8-12	W2	9	3	520071	5	17-22	stainless steel/brass	11
1	520111	10	10-16	W2	9	3	520073	5	20-25	stainless steel/brass	11
1	520112	10	12-20	W2	9	3	520074	5	22-27	stainless steel/brass	11
1	520113	10	16-25	W2	9	3	520075	5	24-29	stainless steel/brass	11
1	520114	10	20-32	W2	9	3	520076	5	25-30	stainless steel/brass	11
1	520115	10	25-40	W2	9	3	520077	5	28-33	stainless steel/brass	11
1	520116	5	32-50	W2	9	4	520084	1	5-10	W4	10
1	520117	5	40-60	W2	9	4	520078	1	7-12	W4	10
1	520118	5	50-70	W2	9	4	520079	1	9-14	W4	10
1	520119	5	60-80	W2	9	4	520080	1	12-17	W4	11
2	520120	1	12-20	W4	9	4	520081	1	14-19	W4	11
2	520121	1	16-25	W4	9	4	520082	1	16-21	W4	11
3	520065	5	5-10	stainless steel/brass	10	4	520083	1	17-22	W4	11
3	520066	5	7-12	stainless steel/brass	10	4	520085	1	20-25	W4	11
3	520067	5	9-14	stainless steel/brass	10	4	520086	1	22-27	W4	11
3	520068	5	12-17	stainless steel/brass	11	4	520087	1	24-29	W4	11
3	520069	5	14-19	stainless steel/brass	11	4	520088	1	25-30	W4	11
3	520070	5	16-21	stainless steel/brass	11	4	520089	1	28-33	W4	11

Fittings and service valves

male-male connector



fig.	order no.	description	ET	ET	fig.	order no.	description	ET	ET	fig.	order no.	description	ET	ET
1	520160	connector male-male	1/8"	1/8"	1	520171	connector male-male	1"	1"	2	520167	reducer male-male	3/8"	1/2"
1	520163	connector male-male	1/4"	1/4"	2	520161	reducer male-male	1/8"	1/4"	2	520218	reducer male-male	3/8"	3/4"
1	520166	connector male-male	3/8"	3/8"	2	520162	reducer male-male	1/8"	3/8"	2	520208	reducer male-male	1/2"	3/4"
1	520168	connector male-male	1/2"	1/2"	2	520164	reducer male-male	1/4"	3/8"	2	520170	reducer male-male	1"	3/4"
1	520169	connector male-male	3/4"	3/4"	2	520165	reducer male-male	1/4"	1/2"					

female-female connectors



no.	order no.	description	ID	ID	no.	order no.	description	ID	ID	no.	order no.	description	ID	ID
1	520172	connector female-female	1/8"	1/8"	5	520176	connector female-female	3/4"	3/4"	8	520192	reducer female-female	1/4"	3/8"
2	520173	connector female-female	1/4"	1/4"	6	520207	reducer female-female	1/8"	1/4"	9	520193	reducer female-female	1/4"	1/2"
3	520174	connector female-female	3/8"	3/8"	7	520191	reducer female-female	1/8"	3/8"	10	520194	reducer female-female	3/8"	1/2"
4	520175	connector female-female	1/2"	1/2"										



1

2

fig.	order no.	description	M	F
1	520177	reducer	1/4"	1/8"
1	520178	reducer	3/8"	1/8"
1	520179	reducer	3/8"	1/4"
1	520180	reducer	1/2"	1/4"
1	520181	reducer	1/2"	3/8"

fig.	order no.	description	ET	ID
1	520209	reducer	3/4"	3/8"
1	520182	reducer	3/4"	1/2"
1	520183	reducer	1"	3/4"
2	520184	extension	1/8"	1/8"
2	520185	reducer	1/8"	1/4"

fig.	order no.	description	ET	ID
2	520186	extension	1/4"	1/4"
2	520187	reducer	1/4"	3/8"
2	520188	extension	3/8"	3/8"
2	520189	reducer	3/8"	1/2"
2	520190	extension	1/2"	1/2"

hose barb to male fittings

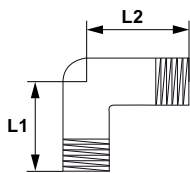


no.	order no.	description	ET	ø hose (mm)
1	520195	screw-in socket	1/8"	7
2	520196	screw-in socket	1/4"	7
3	520197	screw-in socket	1/8"	8
4	520198	screw-in socket	1/8"	9
5	520199	screw-in socket	1/4"	9

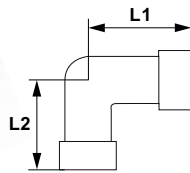
no.	order no.	description	ET	ø hose (mm)
6	520200	screw-in socket	3/8"	9
7	520201	screw-in socket	1/4"	12
8	520202	screw-in socket	3/8"	12
9	520203	screw-in socket	1/2"	12

no.	order no.	description	ET	ø hose (mm)
10	520204	screw-in socket	3/8"	17
11	520205	screw-in socket	1/2"	17
12	540644	screw-in socket	1/2"	19
13	520206	screw-in socket	3/4"	19

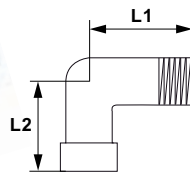
angle pieces



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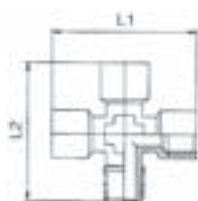
3

fig.	order no.	connections	overall lengths L1/ L2 (mm)
1	520816	1/8"	18/ 18
1	520817	1/4"	24/ 24
1	520818	3/8"	27/ 27
1	520819	1/2"	29.5/ 29.5

fig.	order no.	connections	overall lengths L1/ L2 (mm)
2	520820	1/8"	21/ 21
2	520821	1/4"	25.5/ 25.5
2	520822	3/8"	28/ 28
2	520823	1/2"	32/ 32

fig.	order no.	connections	overall lengths L1/ L2 (mm)
3	520824	1/8"	21/ 18.5
3	520825	1/4"	25.5/ 24
3	520826	3/8"	28/ 27
3	520827	1/2"	32/ 29.5

x-pieces



1

2

fig.	order no.	connections	overall lengths L1/ L2 (mm)
1	520828	1/8"	39/ 39
1	520829	1/4"	49/ 49
1	520830	3/8"	56/ 56

fig.	order no.	connections	overall lengths L1/ L2 (mm)
1	520831	1/2"	64/ 64
2	520832	1/8"	39/ 37
2	520833	1/4"	49/ 48.5

fig.	order no.	connections	overall lengths L1/ L2 (mm)
2	520834	3/8"	56/ 54
2	520835	1/2"	64/ 61

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T-pieces



fig.	order no.	connections	total length (mm)	fig.	order no.	connections	total length (mm)	fig.	order no.	connections	total length (mm)
1	520385	1/8"	35	3	520800	1/8"	35	5	520808	1/8"	39
1	520340	1/4"	46	3	520801	1/4"	46	5	520809	1/4"	49
1	520341	3/8"	51.5	3	520802	3/8"	51	5	520810	3/8"	54
1	520342	1/2"	59	3	520803	1/2"	59	5	520811	1/2"	64
2	520837	1/8"	39	4	520804	1/8"	37	6	520812	1/8"	37
2	520343	1/4"	49	4	520805	1/4"	47.5	6	520813	1/4"	47.5
2	520344	3/8"	54	4	520806	3/8"	52.5	6	520814	3/8"	52.5
2	520345	1/2"	64	4	520807	1/2"	61.5	6	520815	1/2"	61.5

service and gate valves

service valves



fig.	order no.	version	connections	total length (mm)	fig.	order no.	version	connections	total length (mm)	fig.	order no.	version	connections	total length (mm)
1	520720	F - F	1/8"	39	1	520296	F - F	1/2"	47	2	520722	M - F	1/4"	39
1	520294	F - F	1/4"	39	1	520297	F - F	3/4"	54	2	520723	M - F	3/8"	40
1	520295	F - F	3/8"	40	2	520721	M - F	1/6"	39	2	520724	M - F	1/2"	45



fig.	order no.	version	connections	overall length	fig.	order no.	version	connections	overall length	fig.	order no.	version	connections	overall length
1	520350	F - F	1/2"	49mm	2	520353	M - F	3/4"	52mm	3	520355	F - F - ø16mm	3/4"	65mm
1	520351	F - F	3/4"	58mm	3	520354	F - F - ø15mm	1/2"	55mm	4	520356	lever extension	-	-
2	520352	M - F	1/2"	45mm										

ball valves



fig.	order no.	type	connections	overall length
1	693046	F - F	3/8"	41mm
1	520280	F - F	1/2"	55mm
1	540731	F - F	1/2"	61mm
1	520281	F - F	3/4"	55mm
1	540730	F - F	3/4"	70mm
1	520282	F - F	1"	67mm
1	514325	F - F	1"	83mm
2	540991	M - F	3/8"	62mm

fig.	order no.	type	connections	overall length
2	520283	M - F	1/2"	59mm
2	520284	M - F	3/4"	65mm
2	520285	M - F	1"	75mm
2	540758	M - F	1"	90mm
2	504162	M - F	1 1/4"	96mm
3	101895	F - F	1/4"	45mm
3	540931	F - F	3/8"	54mm

fig.	order no.	type	connections	overall length
3	540646	F - F	3/4"	59mm
3	540658	F - F	3/4"	69mm
3	540775	F - F	1"	83mm
4	520726	M - F	1/2"	70mm
4	540982	M - F	3/4"	70mm
4	540983	M - F	1"	80mm
5	540937	F - F	3/4" - 1"	88mm

universal parts screw connections hose connectors



pos.	part no.	TS	grommet ø (mm)	type
1	520673	1/2" IT	12	-
2	520676	1/2"	12	-
3	520674	3/8"	8	-

pos.	part no.	TS	grommet ø (mm)	type
4	520675	3/8"	9	-
5	520677	3/8"	13	-
6	520672	3/8" IT	10	conical seal

solder nipples solder nipples



pos.	part no.	ø (mm)	version
1	520653	6	conical
2	520652	8	conical

pos.	part no.	ø (mm)	version
3	520651	10	conical

pos.	part no.	ø (mm)	version
4	520650	12	conical

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union nuts



pos.	part no.	thread	for pipe ø (mm)
1	520656	1/4"	6/8

pos.	part no.	thread	for pipe ø (mm)
2	520654	3/8"	12

pos.	part no.	thread	for pipe ø (mm)
3	520655	1/2"	8/10

tube fittings die rings



pos.	part no.	ID ø (mm)	qty (pc)
1	101286	6	1
2	101277	8	1

pos.	part no.	ID ø (mm)	qty (pc)
3	101278	10	1

pos.	part no.	ID ø (mm)	qty (pc)
4	101273	12	1

union nuts



pos.	part no.	TS	for pipe ø (mm)
1	520660	1/4"	6
2	520658	1/2"	12

pos.	part no.	TS	for pipe ø (mm)
3	520659	3/8"	8

pos.	part no.	TS	for pipe ø (mm)
4	101478	3/8"	10

double nipples brass



pos.	part no.	T1	T2
1	520664	1/2"	1/2"
2	520208	1/2"	3/4"
3	520169	3/4"	3/4"

pos.	part no.	T1	T2
4	520665	3/4"	3/4"
5	520171	1"	1"
6	520662	1/4"	1/4"

pos.	part no.	T1	T2
7	520682	1/4"	3/8"
8	520680	1/8"	1/4"
9	520661	1/8"	1/8"

pos.	part no.	T1	T2
10	520681	1/8"	3/8"
11	520218	3/8"	3/4"

pos.	part no.	T1	T2
12	520684	3/8"	3/4"
13	520663	3/8"	3/8"

nickel-plated brass



pos.	part no.	T1	T2
1	520168	1/2"	1/2"
2	520165	1/4"	1/2"

pos.	part no.	T1	T2
3	520163	1/4"	1/4"
4	520164	1/4"	3/8"

pos.	part no.	T1	T2
5	520161	1/8"	1/4"
6	520160	1/8"	1/8"

pos.	part no.	T1	T2
7	520162	1/8"	3/8"
8	520167	3/8"	1/2"

pos.	part no.	T1	T2
9	520166	3/8"	3/8"

reducers



pos.	part no.	IT	ET
1	520699	1/2"	1/2"
2	520696	1/2"	3/8"
3	520690	1/4"	1/8"

pos.	part no.	IT	ET
4	520694	1/4"	3/8"
5	520692	1/8"	1/4"

pos.	part no.	IT	ET
6	520700	3/4"	1/2"
7	520697	3/4"	3/8"

pos.	part no.	IT	ET
8	520693	3/8"	1/4"
9	520698	3/8"	1/2"

pos.	part no.	IT	ET
10	520691	3/8"	1/8"
11	520695	3/8"	3/8"

end caps



2



pos.	part no.	TS
1	520706	1/4"
1	520708	1/2"
1	520705	1/8"

pos.	part no.	TS
1	520707	3/8"
2	520702	1/4"
2	520704	1/2"

pos.	part no.	TS
2	520701	1/8"
2	520703	3/8"

t-pieces



pos.	part no.	TS
1	520712	1/2"

pos.	part no.	TS
2	520710	1/4"

pos.	part no.	TS
3	520711	3/8"