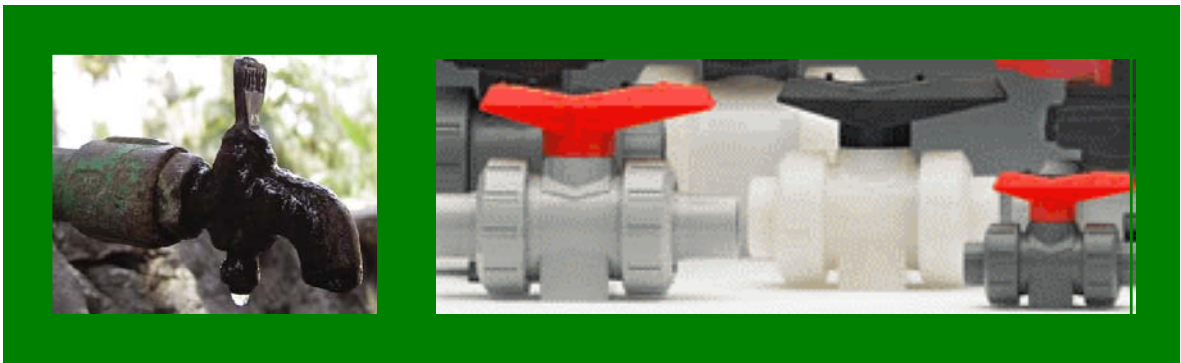


Market Study

Plastic – Pressure-Piping-Products World Market Valves, Fittings, Pipes, M+C, etc.



**Market study for
Producers, Dealers and Users**

Weisslingen, January 2007



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Market study - module version

Plastic – Pressure-Piping-Products (PPPP) world market

Valves, Fittings, Pipes, M+R, etc..

Industry, Gas-and Water distribution, Remarks to Building technology

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8.A	Competitors Plastic Pressure Piping Products (PPPP) (>250) world - employees,turnover in Mio EURO, T/E	8.A1-6
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8.F	Main customers with dealers (name, country, (in D: PLZ, city,Street) marketsegments, material, purchase potential Plastic- Pressure-Piping-Products in T€, Selection possibilities - 1 200 firms or - 2 400 firms or > 3 700 firms (8.E is here included)	8.F1-103
8.G	Actual – Analysis in the ordering company - extensive report, Reflection of more as 160 criterions with successful benchmarks in the market segment	8.G1-2
	Total pages with all options >	1080

Example - country ranking KDRP Industry
World market PPPP: xxxxx in Mio €

Country	Population in Mio 2004	GDP in Mrd \$ 2005	Potential in % Industry 2005
---------	------------------------------	--------------------------	------------------------------------

[illegible]

Europe			XX
America			XX
Asia			XX
Others			XX
World			100%

Market Study Plastic - Pressure-Piping-Products World (PPPPW)

Examples - Valves, Fittings, Pipes and M+C Flow

Market potential plastic product groups in TEURO

Product groups in plastic	Produktgruppen in Kunststoff	T€
Ball Valves electric	Kugelhahn elektromotorisch KS	XXXXXX
Ball Valves PE hand operated	Kugelhähne, handbetätigt, PE	XXXXXX
Butterfly Valves electric	Absperrklappen elektromotorisch	XXXXXX
Butterfly Valves hand operated PP	Absperrklappen handbetätigt PP	XXXXXX
Butterfly Valves pneumatic	Absperrklappen pneumatisch KS	XXXXXX
Control Valves	Regelventile KS	XXXXXX
Diaphragm valves pneumatic	Membranventile pneumatisch KS	XXXXXX
Diaphragm valves PP hand operated	Membranventile handbetätigt PP	XXXXXX
Double Containment	Doppelrohrsysteme KS	XXXXXX
electrofusion fittings PE	Elektroschweissfitting PE	XXXXXX
fittings ABS	Fittings ABS	XXXXXX
fittings PVC-U	Fittings PVC-U	XXXXXX
flanges	Flansche KS	XXXXXX
M+C flow Meters	M+R Schwebekörperdurchflußmesser	XXXXXX
multilayer pipes	Rohre Multilayer -Verbund (nur IS, VS)	XXXXXX
pipes ABS	Rohre ABS	XXXXXX
pipes PE	Rohre PE	XXXXXX
plastic gate valves	Schieberventil KS	XXXXXX
plastic globe valves	Sitzventile handbet. KS	XXXXXX
plastic pumps	Kunststoffpumpen	XXXXXX
Pressure Regulator Valves	Druckregelventile KS	XXXXXX
Solenoid Valves	Magnetventile KS	XXXXXX
Wall Mounting Brackets	Befestigungsklemmen KS	XXXXXX
.....		
Total 64 product groups		

T€ - Tausend EURO, (thousand EURO), KS - Kunststoffe, (plastics)

ABS - Polybutadien, PB - Polybuten, PE - Polyethylen, PFA - Perfluoro-Alkoxyalkan, PP - Polypropylen,

PVDF - Polyvinylidenfluorid, PVC-C - Polyvinylchlorid chloriert, PVC-U - Polyvinylchlorid

Rohre Multilayer -Verbund / PVC-C / PP-R - Einsatzschwerpunkt Haustechnik, hier nur IS und VS

3.6.2 Competitors (> 700 firms) Plastic-Pressure-Piping-Products (PPPP) overview produkt ranges

Name	Country	Industry												Internet			
		n - überwiegend Metall															
		Pipes	Metal	Multilayer	ABS, PVC	PB, PE, PP	PVDF, PFA	Fittings	Valves	Actuators	M+C	Pumps	Fusion machines		Semi finished products	Building Technology	Gas and Water-distribution
a - auch Metall																	
.....	D									X							
A+R Armaturen	D		n							X							
Aalberts	NL	X	n	X		X		X		X					X	X	www.aalberts.nl
.....	D		n					X							X		
ABB Automation Products	D		n								X					X	
.....	D	X				X											
ACOME	F	X		X		X									X		www.acome.fr
Actreg S.A.	F									X							www.actreg.com
Adams	D		n							X							
ADOS	D										X						
Aerre Inox	I		n							X							
Affetti	I											X					
AGRU	A	X				X		X							X	X	
AGUM	I									X							
Aims Fasteners	Can				X	X	X	X							X		www.aimsfasteners.com
Air Torque	D										X						www.airtorque.de
Akatherm (Aliaxis).	NL					X		X							X	X	
AKO Armaturen	D		a							X							www.ako-armaturen.de
Awedukt	PL							X								X	www.akwedukt.com.pl
Al-cor	Kroat	X			X	X									X	X	www.al-cor.hr
Alfa Laval	D		n					X	X								
Aliaxis ETEX	B	X	a	X	X	X	X	X	X	X	X	X	X		X	X	www.aliaxis.com
Almatec	D		a									X					
Alphacan Omniplast GmbH	D	X			X	X		X							X	X	www.alphacan-omniplast.de
Alprene (+GF+)	I					X		X								X	
Amar Equipments	IND									X							

Example Main customers - Potential in TEURO (>3700 firms)

Name	PLZ	Country	Street	Market- segments	Metal+ Plastic	Plastic	PVC/ ABS	PE/PP/ PB	PVDF/ PFA	Auto- mation	M+R
XXXXXXXXXX	XXXXX	XXXXXXXXXX	Industriestr. 10	i71	300	200	100	70	0	10	20
3M Healthcare	USA			i95	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
3V Cogeim S.p.A.	I	24044 Dalmine		i3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
A & K GbR Planungsbüro	XXXXXX	Berlin	Oranienburgerstr. 273	v,Z55	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	49084	Osnabrück	XXXXXX	Z33,38,39	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	49809	Lingen	XXXXXX	Z39	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	86807	XXXXXX	Rudolf-Diesel-Str. 10	Z2,8	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	01279	XXXXXX	Marienberger Str. 86	v,Z55	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
A. Schirmer	XXXXX	Ulm	XXXXXX	k3,z12,13	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
A. Wagner GmbH	XXXXX	Schönwalde	Bahnhofstraße 1	k3,Z12,13	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	89168	Niederstotzingen	Breite Strasse 31	i3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
A.C. Bach GmbH & Co.	70499	Stuttgart 31	Friolzheimer Str. 5	i3,22,k3,Z13	600	600	180	200	60	60	100
A.C.S. Aqua-Care-Systems	65396	Walluf	XXXXXX	i4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	98708	XXXXXX	Industriering 33	i22,3,31	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	52525	XXXXXX	Humboldtstr.3	Z32,36	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
AALP Benelux B.V.	NL	6802 CA ARNHEM		Z2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
AAR-Montagen GmbH	XXXXX	Magdeburg	Ehlegrund 15	Z7	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	95448	Bayreuth	XXXXXX	i41	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ABB	35510	Butzbach	Schorbachstrasse 9	i85	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	CH,D			i85	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	27809	Lemwerder	An der Fähre 2	i82	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	76461	Muggensturm	hauptstr.139-141	i3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	87719	Mindelheim	Daimlerstr. 3	k3,v22,z12	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Abwasserverband Braunschweig	38107	Braunschweig	Celler Heerstr.337	b8	300	300	90	130	0	30	50
AC Klimaanlagen GmbH	XXXXX	München	Landsberger Strasse 495	i71,k3,z13	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	USA			Z2	5000	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Accenture	61476	Kronberg		Z57	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ACCO Process Division	USA			Z8	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Acelaria	E			i	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Acer	Taiwa			i87	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ACI Ingenieurgesellschaft mbH	01157	Dresden	Gottfried-Keller-Straße 13	v,k2,Z53,55	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
XXXXXXXXXXXX	59494	Soest	Lange Wende 43	Z2,8	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX