



AGP SERIES

ISO 5675 AGRICULTURAL QUICK COUPLINGS POPPET VALVE

AGP Series quick couplings are the quick couplings widely used in tractors. The 1/2 and 3/4 size are complying with ISO 5675 standard, and all size are interchangeable with Parker Pioneer couplers, Fast NV Series, Holmbury DIN V Series, etc.



Series AGP //Carbon Steel

Material	Carbon Steel
Surface Finishing	Zinc-Nickel, Zinc-Plating
Standard Seal Material(s)	NBR (Buna-N®) ²
Working Temperature	-25° C ... +100° C / -13° F ... +212° F
Valve Design	Poppet Valve
Connection	Push and actuate Push Sleeve
Disconnection	Actuate Push Sleeve
Connect Under Pressure	not allowed
Application	Agricultural, Mobile, Construction
ISO Interchange	Only 1/2" Size, ISO 5675

² Alternative seal materials are available on request.

Features

- 1/2" size accepts ISO 5675 universal tips
- Basic operation where coupler sleeve is manually retracted to allow connection with male tip
- Critical parts are hardened
- Ball and poppet valve options
- Protective zinc plating

Applications

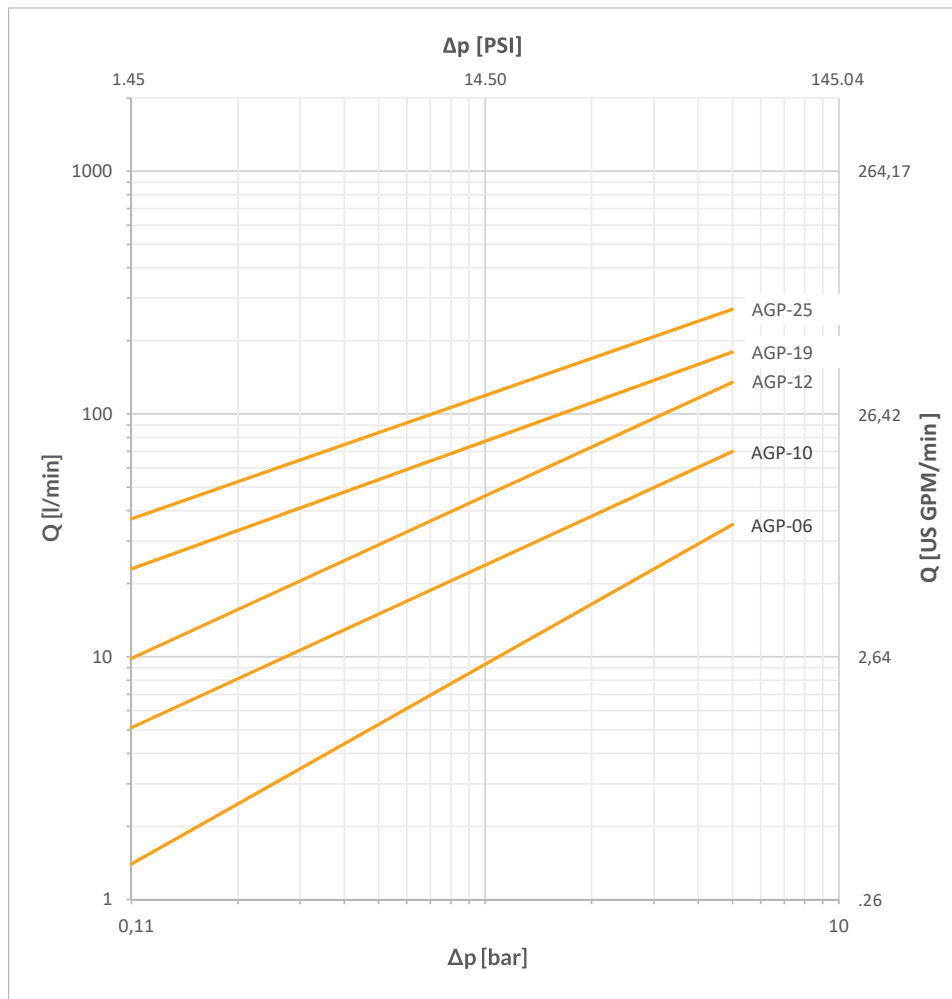
- Agricultural
- Hydraulic Loaders
- Add-on hydraulic circuits
- general industrial



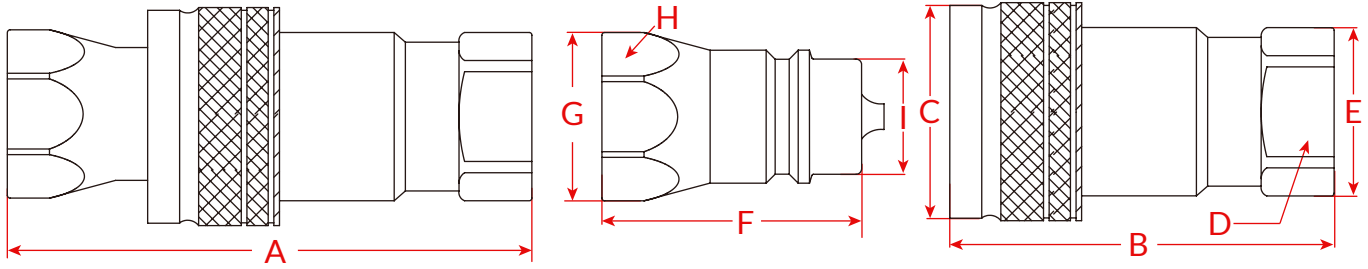
Technical Data

Series	DN Inch	DN Metric	Q _{max}		Working Pressure		bursting puresure coupled		female body		male tip		spillage ml
			l/min	US GPM	bar	psi	bar	psi	bar	psi	bar	psi	
AGP-06	1/4"	6,3	24	6.34	400	5081	1700	24656	1700	24656	1600	23206	1
AGP-10	3/8"	10	46	12.15	350	5076	1500	21756	1700	24656	1500	21756	2.4
AGP-12	1/2"	12,5	100	21.13	350	5076	1200	17404	1400	20305	1000	14504	2.7
AGP-19	3/4"	19	190	50.19	250	3626	1100	15954	1200	17404	1000	14504	8.6
AGP-25	1"	25	250	66.04	250	3626	1000	14504	1100	15954	1200	17404	13.0

Flow Characteristics



Dimensions



Series	Size	Thread	Overall Length	F Length	O.D	Hex	O.D	M Length	O.D	Hex	O.D	Weight (g)	
			A	B	C	D	E	F	G	H	I	Female	Male
AGP-06	1/4"	1/4"		55.5	27	19	22	38	22	19	14.2	118	46
AGP-10	3/8"	3/8"		63	34	24	27	42.5	27	24	19	200	80
AGP-12	1/2"	1/2"		70	38	27	30	48	30	27	20.55	268	97
AGP-19	3/4"	3/4"		86	47	34	37	57	37	34	28	473	183
AGP-25	1"	1"		99	52	41	44	65.5	44	41	31.3	736	282
AGP-31	1 1/4"	1 1/4"		117	70	50	54	75	54	50	44	1520	556
AGP-38	1 1/2"	1 1/2"		126	84	60	64	83.5	64	60	53.45	2472	936
AGP-51	2"	2"		139	115	70	76	88.5	76	70	82	4010	1892

Dimensions in mm

Dimensions and weights are based on NPT internal threads. This series are welcomed in lots of tractors, especial john deere, you can check our website to learn more about they used in different tractor brands.

Code Rules

$$\text{AGP} - \text{12} \text{ F } \text{NPT} \text{1/2}$$

①
②
③
④

- ① Series - AGP
- ② Body Size, 06 = 1/4", 10 = 3/8", 12 = 1/2"...25=1"
- ③ Part, F = Female Coupler, M = Male Nipple, Blank = Set(Female+Male)
- ④ Thread Type and Size, the simple thread like NPT1/2, if Male thread to add a M after the thread, G1/2 M



Dust Caps



Size	Female Body	Male Tip
1/4"	DC-AG-06 F	DC-AG-06 M
3/8"	DC-AG-10 F	DC-AG-10 M
1/2"	DC-IA-12 F	DC-IA-12 M
3/4"	DC-AG-19 F	DC-AG-19 M
1"	DC-AG-25 F	DC-AG-25 M

The AGP and AGB series the dust caps are special design for the agricultural equipment quick couplings, the 1/2" size is same with ISO A dust caps, so can use the IA dust caps, and other dust caps would be AG series, they can be used for AGP and AGB series.



Agricultural Applications



AGP and AGB Series are also called "AG" Type quick couplings, they widely used in agricultural equipments especially in tractors. The users can check the size and the thread type and size to find the replacement of the quick couplings. Users also can try to find the quick coupling by search the OEM number

John Deere	AKJia Item.
LVA22292	AGP-06 M SAE3/8
LVA22291	AGP-06 F SAE3/8
LVA16843	AGP-06 F SAE3/8
AM105467	AGP-12 M SAE1/2
AR94522	AGP-12 M SAE1/2
LVA12997	AGP-12 F SAE1/2
LVA13231	AGP-12 F SAE1/2

