

# Agriculture Interchange Couplings



## Overview:

Stucchi Agriculture Series are offered with a choice of either ball or poppet valve mechanisms for automatic shut-off during disconnection. The ball mechanism is the IR series, the poppet mechanism is the IR V series. The IR series are mainly for applications where interchangeability with existing equipment is necessary. For new applications poppet valves or flat-face are recommended.

## Technical Characteristics and Options

- Coupling constructed in carbon steel with zinc plating
- Nipple made with hardened steel
- Standard seals are Nitrile
- NPT standard threads
- On request SAE, BSP threads
- Anti dust plastic caps
- Clip provided Nylon caps for IR12 female part

## Series: IR IR/V

### Interchange: Agriculture / ISO 5675

The series "IR" "IR/V" hydraulic quick couplings equipped with ball or poppet sealing valve are mostly applied in agricultural equipment; interchangeable according to **ISO 5675**. Size 12.5 is in accordance with ISO 7241-1 series "A".

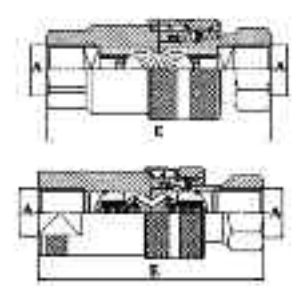
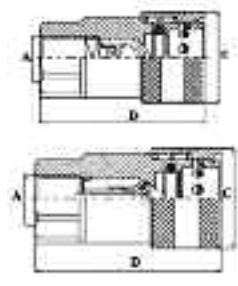
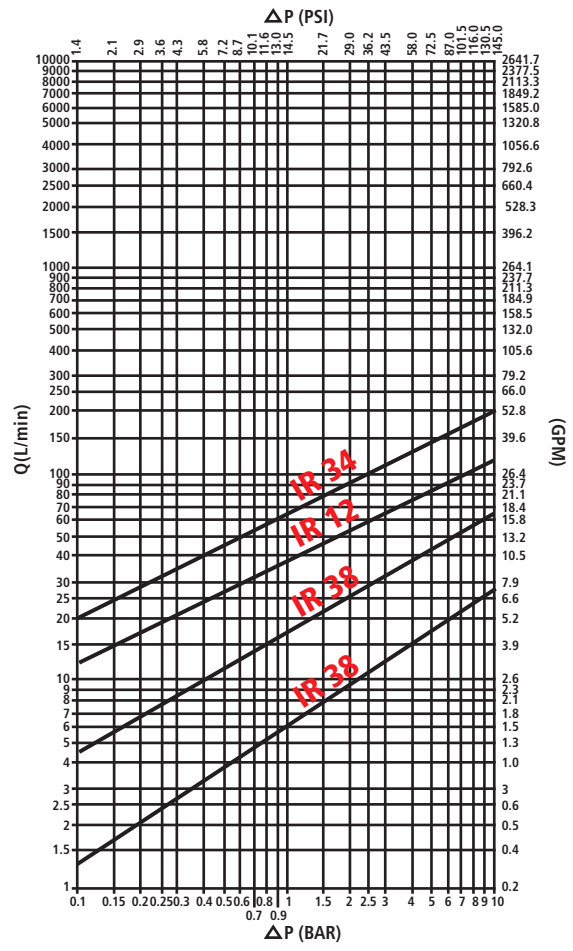
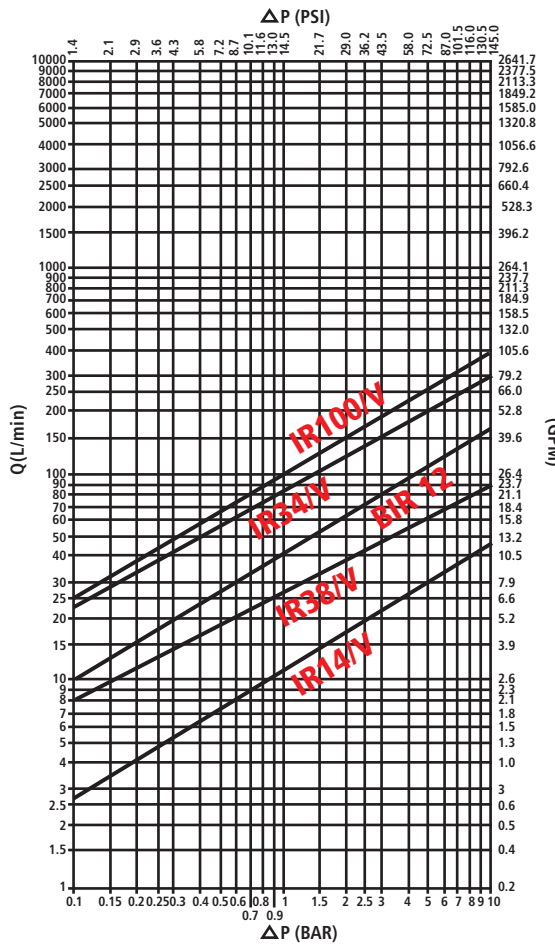
### Interchange: Parker 4000/8000, Faster NS/NV

- **IR** – Ball seal valve
- **IR/V** – Poppet seal valve
- **IRS** – Push-Pull coupling
- **IRS PC**– Push Pull sleeve-connectable under residual pressure.

Body Size	ISO Size	MAX Operating Pressure Coupled bar	MAX Operating Pressure Coupled PSI
Inch	MM		
1/4	6.3	300	4285
3/8	10.0	300	4285
1/2	12.5	250	3571
3/4	16.0	250	3571
1	19.0	200	2857



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Item	Body Size	Size (MM)	A inch	B (mm)	C (mm)	D (mm)	E (mm)
IR 14	1/4"	6.3	1/4"	32.5	27	48.9	64.4
IR14V	1/4"	6.3	1/4"	32.5	27	50.4	65.9
IR 38	3/8"	10	3/8"	38	34	58.3	76.3
IR 38V	3/8"	10	3/8"	38	34	58.3	76.3
IR 12	1/2"	12.5	1/2"	44.5	38	63.3	86.3
BIR 12	1/2"	12.5	1/2"	44.5	38	63.3	86.3
IR 34	3/4"	16	3/4"	59	48	90.3	118.3
IR 34V	3/4"	16	3/4"	59	46	90.3	118.3
IR 100	1"	19	1"	66.1	54	99.6	132.8
IR 100V	1"	19	1"	64.1	54	97.6	128.8

# Agriculture Interchange Couplings

## Interchange: Parker 4000, Faster NVSeries: IRV -Poppet Valve



Coupler



Nipple



Coupler

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/4	1/4	NPT	800101000	F. IR14V NPT
Nipple	1/4	1/4	NPT	800101001	M. IR14V NPT
Coupler	3/8	3/8	NPT	800101002	F. IR38V NPT
Nipple	3/8	3/8	NPT	800101003	M. IR38V NP
Coupler	1/2	1/2	NPT	800501004	F. BIR 12 NPT
Nipple	1/2	1/2	NPT	800501005	M. BIR12 NPT
Coupler	3/4	3/4	NPT	800101004	F. IR34V NPT
Nipple	3/4	3/4	NPT	800101005	M. IR34V NPT
Coupler	1	1	NPT	800101006	F. IR100V NPT
Nipple	1	1	NPT	800101007	M. IR100V NPT
Coupler	3/4	3/4	NPT	820001022	F. IR34V FA NPT*
Nipple	3/4	3/4	NPT	820001023	M. IR34V FA NPT*
Coupler	1/4	3/8	SAE	800104000	F. IR 14V 38 SAE
Nipple	1/4	3/8	SAE	800104001	M. IR 14V 38 SAE

\*Faster Interchange Only

## Agricultural - Push/Pull Sleeve Series: IRS V -Poppet Valve

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/2	1/2	NPT	800401002	F. IRS12VA NPT

## Agricultural - Push/Pull Sleeve / Connect under pressure Series: IRS PC – Poppet Style

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/2	1/2	NPT	800401004	F. IRS12VA PC NPT



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**Interchange: Parker 4000, Faster NS Series: IR -Ball Valve**

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/4	1/4	NPT	800001000	F. IR 14 NPT
Nipple	1/4	1/4	NPT	800001001	M.IR14 NPT
Coupler	3/8	3/8	NPT	800001002	F. IR38 NPT
Nipple	3/8	3/8	NPT	800001003	M.IR38 NPT
Coupler	1/2	1/2	NPT	800001004	F. IR 12 NPT
Nipple	1/2	1/2	NPT	800001005	M.IR 12 NPT
Coupler	3/4	3/4	NPT	800001006	F. IR 34 NPT
Nipple	3/4	3/4	NPT	800001007	M.IR 34 NPT
Coupler	1	1	NPT	800001008	F. IR 100 NPT
Nipple	1	1	NPT	800001009	M.IR 100 NPT
Coupler	3/4	3/4	NPT	820001020	F. IR34 FA NPT*
Nipple	3/4	3/4	NPT	820001021	M.IR34 FA NPT*

\*Faster Interchange Only

Coupler



Nipple

**Agricultural –Nipple w/ seal retainer Series: IR –"TIC" –ball valve**

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Nipple	1/2	1/2	NPT	800001011	M. IR12 TIC NPT



Coupler

**Push/Pull Sleeve Ag Interchange Series: IRS -Ball Style**

Part	Body Size	Port Size	Thread Type	Order Code	Part Description
Coupler	1/2	1/2	NPT	800301002	F. IRS12A NPT

\*Push Pull Sleeve