

STATION DROPS

Western station drops are equipped with an in-line shut-off valve, drip leg and outlet cap and chain. All drops are labeled for the indicated gas service. No assembly required. Available in 1/2" or 3/4"; single or double outlet. Double outlet station drops shipped complete with shut-off valves. All single outlet drops for fuel gas or oxidizer gas service equipped with a check valve.

WSO - 9 - 5

WSO - 9 - 7

WSO - 3 - 7

GAS SERVICE (X)	OUTLET CONNECTION
(1) Acetylene	7/8"-14 LH
(2) Compressed Air	9/16"-18 RH
(3) Argon	5/8"-18 RH
(4) Carbon Dioxide	5/8"-18 RH
(5) Helium	5/8"-18 RH
(6) Hydrogen	7/8"-14 LH
(7) Nitrogen	5/8"-18 RH
(8) Nitrous Oxide	7/8"-14 RH
(9) Oxygen	7/8"-14 RH
(10) LPG	7/8"-14 LH

How To Order: Insert (X) = gas service

MODEL #	OUTLET	LENGTH
WSO-(X)-5	1/2" Single outlet	25"
WSO-(X)-6	3/4" Single outlet	25"
WSO-(X)-7	1/2" Double outlet	35"
WSO-(X)-8	3/4" Double outlet	35"



LINE STATION REGULATORS

The Western line station regulators utilize a large diaphragm for high sensitivity and provide extremely accurate delivery pressure.

Note: Maximum inlet pressure 200 PSIG.

MODEL	APPLICATION	DELIVERY PRESSURE	CAPACITY SCFH	INLET CONNECTION	OUTLET CONNECTION
WSR-1-1	Oxygen	0-125 psig	760	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022
WSR-1-2	Acetylene	0-15 psig	420	7/8"-14 LH, CGA-025	9/16"-18 LH, CGA-023
WSR-1-3	Fuel Gases	0-50 psig	640	7/8"-14 LH, CGA-025	9/16"-18 LH, CGA-023
WSR-1-4	Oxygen	0-50 psig	600	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022
WSR-1-5	Oxygen	0-100 psig	475	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022
WSR-1-6	Oxygen	0-200 psig	475	7/8"-14 RH, CGA-024	9/16"-18 RH, CGA-022

FLOWMETERS

Precision flow control for MIG and TIG gas welding operations, laboratory use and many industrial applications. Use Western fittings AW - 14A and AW - 3 to attach flowmeters to station drops.

PART #	GAS SERVICE	RANGE
RWS-2-5	Helium	0 - 90 scfh
RWS-2-7	Nitrogen	0 - 100 scfh
RWS-2-13	Argon/Carbon Dioxide	0 - 70 scfh
FM601	Air	0 - 15 LPM



MANIFOLD REGULATORS, IN - LINE REGULATORS

The RM Series manifold regulator is a pressure compensated single stage design (oxygen is two-stage) and is able to maintain stable delivery pressure performance equal to a two-stage design. The unique cartridge in this regulator permits easy, single-unit replacement of vital parts in minutes. Seats, nozzle, filter, spring, seals and built-in check-relief valve can be replaced without special tools and without breaking the bonnet-to-body seal. The cartridge can be removed and a new one installed without costly down time or removing the regulator from the pipeline.



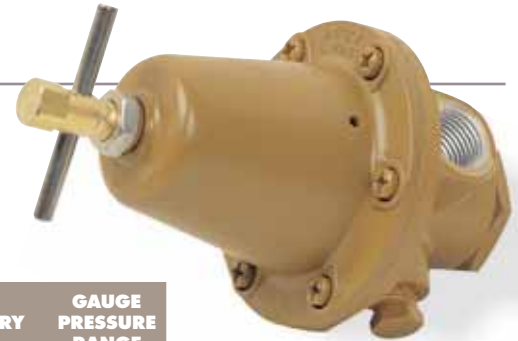
How To Order

PART NUMBER	DESCRIPTION	CAPACITY (SCFH) *			DELIVERY RANGE (PSIG)	INLET CONNECTION	OUTLET CONNECTION	REPLACEABLE CARTRIDGE NO.
		Delivery Lockup	Flowing Pressure	Gas Flow				
RM-1-1	Acetylene	15	10	850	1-15	1-11 1/2" NPS EXT LH	1-11 1/2" NPS INT LH	RWC-3-59
RM-2-4	Compressed Air	50	45	960	20-160	1-11 1/2" NPS EXT RH	1-11 1/2" NPS INT RH	RWC-3-49
RM-4-4	Carbon Dioxide	50	45	960	20-160	1-11 1/2" NPS EXT RH	1-11 1/2" NPS INT RH	RWC-3-49
			40	2100				
RM-6-4	Hydrogen	50	45	960	20-160	1-11 1/2" NPS EXT LH	1-11 1/2" NPS INT LH	RWC-3-49
			40	2100				
RM-7-4	Nitrogen, Helium & Argon	50	45	960	20-160	1-11 1/2" NPS EXT RH	1-11 1/2" NPS INT RH	RWC-3-49
			40	2100				
RM-8-4	Nitrous Oxide	50	45	960	20-160	1-11 1/2" NPS EXT RH	1-11 1/2" NPS INT RH	RWC-3-49
			40	2100				
RDM-9-4	Oxygen	50	45	310	20-160	1-11 1/2" NPS EXT RH	1-11 1/2" NPS INT RH	RWD-2-19 1st STAGE RWD-2-36 2ndSTAGE
			40	950				
RM-10-2	LPG Fuel Gases	45	40	480	0-45	1-11 1/2" NPS EXT LH	1-11 1/2" NPS INT LH	RWC-3-59
			35	940				
RS-300-MAN	Nitrogen	170	160	800	40-300	1-11 1/2" NPS EXT RH	1-11 1/2" NPS INT RH	RK-1020 (Repair Kit)
			150	1422				

*Nitrogen @ 70°F

IN-LINE REGULATORS

Designed for installation in pipe lines where a large gas volume is required. *400 psi maximum inlet pressure.



PART NUMBER	INLET/OUTLET CONNECTION (Female)	DELIVERY PRESSURE (PSIG)	SCFH		GAUGE PRESSURE RANGE
			AIR AT 50 PSIG 100 PSIG INLET	AIR AT 100 PSIG DELIVERY 250 PSIG INLET	
WMR-2-2	1/2" NPT	0-50	3000	3000	0-100
WMR-2-3	3/4" NPT	50-125	11,000	21000	0-200
WMR-2-4	1/2" NPT	50-125	5000	10000	0-200
WMR-2-5	1/2" NPT	100-200	3500	12500	0-400
WMR-2-6	3/4" NPT	100-200	6000	20000	0-400
WMR-2-8	1" NPT	100-200	6000	20000	0-400



WORKING PRESSURES TO 3000 PSIG

UNION ADAPTORS, TAILPIECES & NUTS

UNION NUTS			
Figure	Female Thread	Length	Part Number
1	1"-11 1/2" NPS RH	1.75"	WHF-3-29
1	1"-11 1/2" NPS LH	1.75"	WHF-3-30

UNION ADAPTORS					w/ Nickel Plated Phosphorous Bronze Filter
Figure	Outlet	Inlet	Length	Part Number	
2	1/2" NPT	1"-11 1/2" NPS RH	2.187"	WHF-3-31	WMS-1-40
2	1/2" NPT	1"-11 1/2" NPS LH	2.187"	WHF-3-32	WMS-1-41
2	3/4" NPT	1"-11 1/2" NPS RH	2.230"	WHF-3-33	WMS-1-42
2	3/4" NPT	1"-11 1/2" NPS LH	2.230"	WHF-3-34	WMS-1-43
2	3/8" NPT	1"-11 1/2" NPS RH	3.125"	WHF-3-37	WMS-1-44
2	3/8" NPT	1"-11 1/2" NPS LH	3.125"	WHF-3-38	WMS-1-45

TAILPIECES			
Figure	Male Thread	Length	Part Number
3	3/8" NPT	2.40"	WHF-3-36
3	1/2" NPT	2.94"	WHF-3-35



PIPELINE CHECK VALVES

Ideal for installation downstream of the manifold, designed for high flow rates and working pressures up to 3,000 psig. These brass body, female by female check valves are cleaned for use with oxygen.

PART NUMBER	INLET	OUTLET	SEAT MATERIAL
CVF-8F	1/2" NPT Female	1/2" NPT Female	EPDM
CVF-12F	3/4" NPT Female	3/4" NPT Female	Neoprene



CHECK VALVE OUTLETS - CGA X 1/2" NPT MALE

For added safety, check valve outlets are assembled in the oxygen manifold headers. Check valve outlets are safer than conventional header valves; they minimize the danger of "heat of recompression" associated with oxygen by discharging the heat. Check valves provide automatic gas shut off if a pigtail ruptures, preventing possible injury to the operator.

PART NUMBER	CGA NUMBER AND GAS SERVICE	WORKING PRESSURE
WMS-1-53	CGA-540 Oxygen, RH Male	3000 psig
WMS-1-54	CGA-580 Helium, RH Female	3000 psig
WMS-1-59	CGA-326 Nitrous Oxide, RH Male	3000 psig
WMS-1-60	"C" Size - 7/8-14 RH-Inert Gases	200 psig
WMS-1-61	"C" Size - 7/8-14 LH Water and Industrial Air	200 psig
WMS-1-62	CGA-346 Compressed Air, RH Male	3000 psig
WMS-1-65	CGA-320 Carbon Dioxide, RH Male	3000 psig
WMS-1-67	CGA-300 Acetylene, LH Male	500 psig
WMS-1-99	CGA-350 Hydrogene, LH Male	3000 psig
WMS-1-100	CGA-510 Acetylene, LH Female	500 psig



RELIEF VALVES - 1/4" NPT & 1/2" NPT

Ideal for cryogenic pressure vessel (vapor area), manifolds and other demanding applications. Not recommended for corrosive gases or liquid cryogenic applications. *CO₂ Models

1/4" NPT (WITH WEEP HOLE)	1/4" NPT (WITHOUT WEEP HOLE)	1/2" NPT (WITHOUT WEEP HOLE)
WMV-4-22	WRV-4-100	WMV-8-60
WMV-4-35	WRV-4-125	WMV-8-75
WMV-4-50	WRV-4-200	WMV-8-100
WMV-4-100	WRV-4-230	WMV-8-150
WMV-4-125	WRV-4-235	WMV-8-200
WMV-4-200	WRV-4-250	WMV-8-250
WMV-4-235	WRV-4-300	WMV-8C-300*
WMV-4-250	WRV-4-350	WMV-8-300
WMV-4-300	PIPE AWAY ADAPTOR: WMV-4-7	WMV-8-350
WMV-4-350		WMV-8-375
WMV-4C-350*		WMV-8-450
WMV-4-400		PIPE AWAY ADAPTOR : WMV-8-7
WMV-4C-400*		
WMV-4C-450*		

